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SHELF EDGE EXCHANGE PROCESSES — II
SEEP2-09, R/V ENDEAVOR CRUISE 193

HYDROGRAPHIC DATA REPORT

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DISCLAIMER

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INTRODUCTION

The Shelf Edge Exchange Processes (SEEP) program sponsored by the United States Department of Energy is a multi-institutional effort designed to investigate the flux of suspended material from the continental shelf to the waters of the upper slope, and then possibly into the slope sediments. Phase I of SEEP consisted of a series of nine cruises and a mooring array across the outer continental shelf of New England during 1983 - 1984 (Behrens and Flagg, 1986). Phase II focused specifically on the shelf/slope frontal region of the mid-Atlantic bight off the Delmarva Peninsula. This project consisted of a series of ten cruises, a mooring array, and a series of over-flights by NASA aircraft. Hydrographic data were collected on eight of the cruises, six of which were primarily mooring deployment or recovery cruises. The cruises were consecutively designated SEEP2-01 to SEEP2-10. Two cruises (SEEP2-04 and SEEP2-07) were dedicated to investigating benthic processes and hydrographic data were not collected.

The R/V ENDEAVOR cruise 193, SEEP2-09, took place from 17 - 23 March 1989 and focused primarily on biological processes in the SEEP2 area. Mooring 1 (see figure 1) was recovered and re-deployed and a replacement for mooring 4 was deployed. A 24 hour time series was conducted at mooring 1 to study primary and secondary production. The time series involved sampling nutrients, dissolved oxygen, chlorophyll a, zooplankton abundance and distribution and fecal pellet production. Experiments to estimate grazing rates and fecal pellet

production of the dominant copepods were also done. MOCNESS tows and box core samples were also taken during the cruise. Sediment and zooplankton data are not reported here.

During this cruise 46 CTD casts were made measuring pressure, temperature, conductivity, dissolved oxygen, fluorescence and light transmission. Discrete samples were taken in rosette-mounted Niskin bottles and analyzed for concentration of nutrients, chlorophyll a, dissolved oxygen, and particulate organic carbon and nitrogen. Figure 1 shows the location of the moorings and the hydrographic stations. Station positions, sample times and water depths are given in Table 1. Mooring positions and depths are given in Table 2. The chief scientist for this cruise was P. Falkowski (Brookhaven National Laboratory).

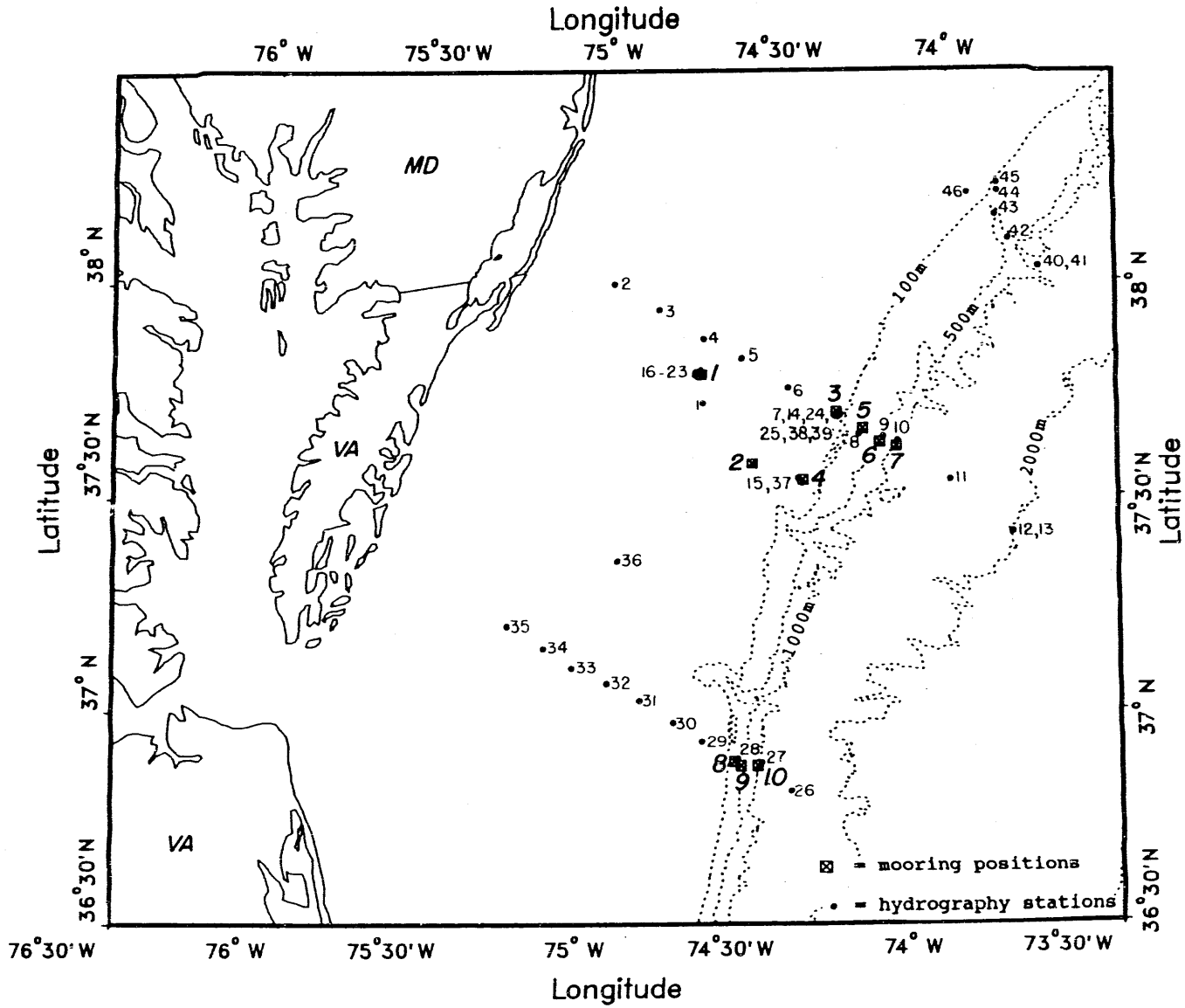

Figure 1. Station map

TABLE 1

Station List

STATION	TRANSECT	MOORING NUMBER	DATE GMT	TIME GMT	LATITUDE DEG.	LATITUDE MIN.	LONGITUDE DEG.	LONGITUDE MIN.	SONIC DEPTH	BOTTOM TRIP
1			Mar 17, 89	14:51	37	43.31	74	44.35	43	41
2	1		Mar 17, 89	17:46	38	0.00	75	0.03	14	12
3	1		Mar 17, 89	19:25	37	56.51	74	51.99	29	27
4	1		Mar 17, 89	21:00	37	52.18	74	44.06	42	40
5	1		Mar 17, 89	22:16	37	49.59	74	37.35	51	49
6	1		Mar 17, 89	23:33	37	45.46	74	28.86	60	58
7	1	3	Mar 18, 89	00:45	37	41.37	74	20.55	90	88
8	1	5	Mar 18, 89	02:12	37	38.91	74	16.33	132	130
9	1	6	Mar 18, 89	04:30	37	38.49	74	11.99	526	524
10	1	7	Mar 18, 89	07:55	37	37.97	74	9.36	1028	1026
11	1		Mar 18, 89	10:25	37	32.25	73	59.99	1434	1432
12			Mar 18, 89	13:37	37	24.87	73	48.76	2020	******
13	1		Mar 18, 89	19:24	37	24.82	73	48.93	2040	******
14		3	Mar 19, 89	03:16	37	41.56	74	19.61	99	97
15		4	Mar 19, 89	13:00	37	31.97	74	26.67	94	92
16		1	Mar 19, 89	17:11	37	47.72	74	44.42	41	39
17		1	Mar 19, 89	21:24	37	48.04	74	44.62	41	39
18		1	Mar 20, 89	01:10	37	47.61	74	45.45	40	38
19		1	Mar 20, 89	04:31	37	47.76	74	45.45	40	38
20		1	Mar 20, 89	09:01	37	47.62	74	45.48	40	38
21		1	Mar 20, 89	13:06	37	47.73	74	45.48	40	38
22		1	Mar 20, 89	14:56	37	47.63	74	45.42	40	38
23		1	Mar 20, 89	17:14	37	47.33	74	45.58	40	38
24		3	Mar 20, 89	22:05	37	41.74	74	20.22	95	93
25		3	Mar 21, 89	03:05	37	41.28	74	20.61	92	90
26	2		Mar 21, 89	14:16	36	48.70	74	28.87	1580	******
27	2	10	Mar 21, 89	18:44	36	52.61	74	34.09	1117	******

STATION	TRANSECT	MOORING NUMBER	DATE GMT	TIME GMT	LATITUDE DEG.	LATITUDE MIN.	LONGITUDE DEG.	LONGITUDE MIN.	SONIC DEPTH	BOTTOM TRIP
28	2	8	Mar 21, 89	21:26	36	53.14	74	38.42	180	******
29	2		Mar 21, 89	23:30	36	55.69	74	44.88	78	76
30	2		Mar 22, 89	01:04	36	58.47	74	49.89	58	56
31	2		Mar 22, 89	02:34	37	1.64	74	55.92	47	45
32	2		Mar 22, 89	03:40	37	3.98	75	1.85	40	38
33	2		Mar 22, 89	08:45	37	6.11	75	7.99	35	33
34	2		Mar 22, 89	09:54	37	9.05	75	13.08	31	29
35	2		Mar 22, 89	11:07	37	12.08	75	19.57	28	26
36			Mar 22, 89	13:35	37	21.18	74	59.75	39	37
37		4	Mar 22, 89	21:24	37	32.62	74	27.27	79	77
38		3	Mar 23, 89	03:17	37	41.50	74	20.28	94	92
39		3	Mar 23, 89	06:07	37	41.28	74	19.98	95	93
40			Mar 23, 89	13:54	38	2.00	73	43.72	1100	******
41	3		Mar 23, 89	15:03	38	2.09	73	43.81	1105	1103
42	3		Mar 23, 89	17:55	38	6.06	73	49.05	920	918
43	3		Mar 23, 89	20:34	38	9.45	73	51.49	492	490
44	3		Mar 23, 89	22:46	38	12.82	73	50.92	335	333
45	3		Mar 24, 89	00:15	38	14.03	73	50.92	226	224
46			Mar 24, 89	02:09	38	12.64	73	56.40	79	77

TABLE 2

SEEP2-09 Mooring Positions

Mooring	Latitude N	Longitude W	Depth (m)
1	37 47.54	74 44.61	39
2	37 34.69	74 36.13	61
3	37 41.96	74 20.27	91
4	37 32.66	74 26.57	90
5	37 39.73	74 15.78	131
6	37 37.96	74 12.77	415
7	37 37.17	74 09.86	1000
8	36 52.64	74 38.96	135
9	36 52.14	74 37.64	427
10	36 52.13	74 34.54	985

The following symbols are used on the maps:

⊠ = mooring positions

• = hydrography stations

METHODS

Instrumentation

Hydrographic data were collected using a Neil Brown Instrument Systems Mark IIIB CTD underwater unit with a model 1150 deck data terminal. A shallow water, 0-1600 m, pressure sensor was used on all cruises. The CTD was equipped with a Beckman oxygen sensor and interfaced with a Sea Tech fluorometer, and a 25 cm. path length Sea Tech transmissometer. The fluorometer was set with a 1.0 second time constant and on the 3X scale. With this setup the full scale voltage of 5 volts corresponds to a chlorophyll a concentration of approximately 10 ug/liter. The time constant for the transmissometer was 0.1 second. The output signal from both the fluorometer and transmissometer was 0-5 volts DC.

All underwater instrumentation was mounted on a General Oceanics rosette multi-bottle sampler, model 1015-12, with a C1015-DC deck command module. The rosette was equipped with 5 or 12 liter Niskin bottles and a mechanically triggered bottom-trip switch. The bottom-trip switch was triggered when a weight suspended from a lanyard beneath the rosette contacted the bottom. A 5 liter Niskin bottle was also closed by the same mechanism to collect a near bottom water sample. The bottom-trip switch signal was included in the data stream transmitted to the ship and recorded with the CTD data. This provided the exact pressure at the time bottom contact was made.

A VAXstation 3200 computer recorded all CTD data and provided real-time graphical output. This system included all software needed to process the CTD data at sea and produce a preliminary report at the end of the cruise. A Kennedy, model 9832, 9-track magnetic tape unit

also recorded all CTD data from the 1150 deck terminal.

Signal Processing

The CTD underwater unit transmitted data to the 1150 deck unit at a rate of 16 scans per second. Each data scan consisted of a counter and 7 channels of data for pressure, temperature, conductivity, oxygen sensor current, oxygen sensor temperature, fluorometer signal and transmissometer signal. Immediately after the cast, data were analyzed on the VAXstation. Down casts were processed by accepting only scans with increasing pressure, so that scans with decreasing pressure due to the roll of the ship were rejected. A gradient check was also applied to reject spikes in the data. The absolute value of the second derivative for pressure, temperature and conductivity was measured and gradient limits were set to reject extreme deviations. These limits were more lenient near the surface than below 50 dbar. The time rate of change of temperature over a 3 scan interval and oxygen current over a 240 scan interval (approximately 15 dbar) were calculated for later use in calibration algorithms. Scans were then binned and one meter averages calculated. The one meter averaged data were entered into a Scientific Information Retrieval (SIR) database along with station time, location and depth. Contoured cross-sections were then produced at the end of each transect.

Calibration

The CTD pressure, temperature and conductivity sensor signals were calibrated by the manufacturer in January and August, 1988 and February, 1989. The practical salinity scale 1978 (Fofonoff and Millard, 1983) was used to calculate salinity from conductivity, temperature and pressure.

The Beckman oxygen sensor was calibrated after the cruise using the method of Owens and Millard (1985) and Niskin bottle samples analyzed by the modified-Winkler titration method of Carpenter (1965). Niskin bottle samples were taken from the up casts when the CTD winch was stopped. All CTD data used for calibration were from the corresponding down cast so that water circulation around the sensor was not interrupted. CTD temperature, pressure, conductivity, oxygen sensor current (Oc), dOc/dt, oxygen sensor temperature and titrated oxygen values were used to calculate the calibration coefficients using a quasi-Newtonian minimization routine from the IMSL computing library. The coefficients for oxygen current slope (S_{oc}), time constant (Tau), oxygen current bias (B_{oc}), and weighting factor (W_T) are given in Table 3. This method accounts for the effects of temperature and pressure on the permeability of the sensor membrane, and includes a time lag correction, and an oxygen current bias. Dissolved oxygen concentrations are expressed in units of umole/liter and oxygen saturation values are calculated after the method of Benson and Krause (1984).

The fluorometer output is reported in units of volts because the conversion from *in vivo* fluorescence to chlorophyll *a* concentration is not well defined. A particular concern is that quenching effects result in an underestimation of the chlorophyll *a* concentrations in surface waters exposed to sunlight (Falkowski et. al., 1986). Unless taken into account, this would introduce a diurnal bias into the data.

TABLE 3.
SEEP2 Oxygen Calibration

Cruise	S_{oc}	Tau	B_{oc}	W_T	RMS Error[1]	n
SEEP2-01	2.576	6.964	0.133	0.908	11.597	74
SEEP2-02	2.946	5.660	0.019	0.374	4.895	246
SEEP2-03	3.334	16.610	-0.017	0.673	9.759	43
SEEP2-05	2.725	6.318	0.018	0.688	5.201	150
SEEP2-06	2.601	2.699	0.068	0.877	4.817	79
SEEP2-08	3.032	5.224	-0.056	0.351	4.600	122
SEEP2-09	2.445	2.359	0.174	1.300	8.597	208
SEEP2-10	2.858	8.113	0.051	0.809	5.854	357

$$OX = \left[S_{oc} \cdot \left(Oc + \tau \frac{dOc}{dt}\right) + B_{oc}\right] \cdot OXSAT(T,S) \cdot e^{[tcor \cdot (T + W_T \cdot (T_o - T)) + pcor \cdot p]}$$

where:

- OX = CTD dissolved oxygen, µmole/ℓ
- S_{oc} = oxygen current slope
- Oc = CTD oxygen current, µamps
- B_{oc} = oxygen current bias, µamps
- OXSAT(T,S) = oxygen saturation value, µmole/ℓ
- T = CTD water temperature, °C
- S = CTD salinity, psu
- p = CTD pressure, dBars
- τ = time constant (Tau), sec
- T_o = CTD oxygen sensor temperature, °C
- W_T = weighting factor
- tcor = temperature factor for membrane permeability = -0.0305
- pcor = pressure correction factor for membrane permeability = 0.0001438
- n = number of data points

[1] RMS error = $\left(\frac{\Sigma(O_{titrated} - OX)^2}{n-1}\right)^{1/2}$

Nutrients

Subsamples of 60 ml were drawn from the Niskin bottles on the rosette within 10 minutes following a cast for nutrient analyses. Phosphate, silicate, nitrate, nitrite, and ammonium were measured using automated, continuous-flow colorometers whose data were acquired, and whose control was managed by a computer. The procedures of Whitledge et. al. (1981) were followed as they apply to a Technicon Autoanalyzer II which had been modified with small-volume glassware to optimize stability and sensitivity. The analytical methods of Murphy and Riley (1962) were followed for reactive phosphorous, and Armstrong et. al. (1967) for silicate and nitrate. Ammonium was measured by the phenolhypochlorite method of Koroleff (1970) as adapted to the Autoanalyzer by Slawyk and MacIsaac (1972) and modified by Patton and Crouch (1977).

The analytical accuracy was determined by measuring the absorbance of known concentrations of each analyte (standards) at least once every 12 hours. These were regressed on concentrations using a least squares method, from which updated calibration factors were derived. The standards of highest concentration were also included among each set of samples to monitor analytical stability (Whitledge et. al., 1981).

While at sea, nutrient data were uploaded from the autoanalyzer's computer to the VAXstation. These data were then entered into the SIR database and preliminary contoured cross-sections produced. Nutrient concentrations were later corrected for small levels of baseline water contamination by taking the most negative observed absorbance and setting it to zero. All absorbances were adjusted by an amount

equivalent to a concentration change of less than 0.2 umole/liter. A few negative concentrations remain in the database due to variability in the refractive index correction, or from the subtraction of NO_2 from NO_3+NO_2.

Chlorophyll a

Discrete concentrations were estimated fluorometrically aboard ship from samples at each station. Glass-fiber filters (Whatman GF/F) retaining phytoplankton from 140 or 280 ml subsamples were ground in 90% acetone (MCB Omnisolve) and the fluorescent emission of a vacuum-clarified extract measured before and after acidification with 1-2 drops of 1.0 N HCl (Yentsch and Menzel, 1963).

The fluorometer (Turner Designs Mod. 10-004R) was calibrated using serial dilutions of a pure chlorophyll a standard derived from laboratory cultures of spinach (Perkins and Roberts, 1962). The concentration of the standard was measured spectrophotometrically using an extinction coefficient of 87.67 l/g-cm at 664 nm. The fluorescence of each dilution (90% acetone) was read before (R_o) and after (R_a) acidification (10% HCl) on at least two sensitivity ranges. Calibration factors for all dilutions were computed by:

$$F = \frac{\text{ug chl a / ml}}{T\ (R_o - R_a)\ /\ (T-1)}$$

where F is the calibration factor for each dilution and T is the maximum ratio of R_o/R_a. The mean F determination was accepted as the calibration factor and any significant variations among the serial factors over the selected ranges were compensated by internal adjustments in the fluorometer.

Particulate organic Carbon and Nitrogen

Samples for particulate carbon and nitrogen analysis were collected in 250 ml or 500 ml bottles, filtered onto 13 mm or 25 mm precombusted glass fiber filters (Gelman type A/E), and frozen for subsequent laboratory analysis using a Perkin Elmer 240B Elemental analyzer.

Data Management

All CTD, Niskin bottle, station, and calibration data were reviewed and remaining data entered into the SIR database on the VAXstation at Brookhaven National Laboratory. Station data include cruise, station number, date (GMT), time (GMT), latitude (N), longitude (W), bottom depth (m), and bottom-trip depth (m). Associated CTD data are pressure (dbar), temperature (C), salinity (PSS-78), sigma-t, dissolved oxygen (umole/l), oxygen saturation (umole/l), dynamic height (cm), Brunt-Vaisala frequency (cycles/hr), fluorescence (0-5 volts DC), and beam attenuation coefficient (1/m). Niskin bottle data include nutrients (umole/l), chlorophyll a (ug/l), phaeophytin (ug/l), dissolved oxygen (umole/l), C-14 uptake (ug/l/hr), POC (ug/l), PON (ug/l), Freon-11 and 12 (pmole/l), and Freon 11 and 12 saturation (pmole/l). Productivity and Freon data are not presented in this data report.

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TEMPERATURE-SALINITY DIAGRAM

Isopleths of sigma-t are drawn with the values given on the right margin. The following symbols are used to indicate the depth from which samples were taken:

○ = 0 - 50 dbar

□ = 51 - 100 dbar

△ = 101 - 200 dbar

✳ = 201 - 500 dbar

⊠ = 501 - 2000 dbar

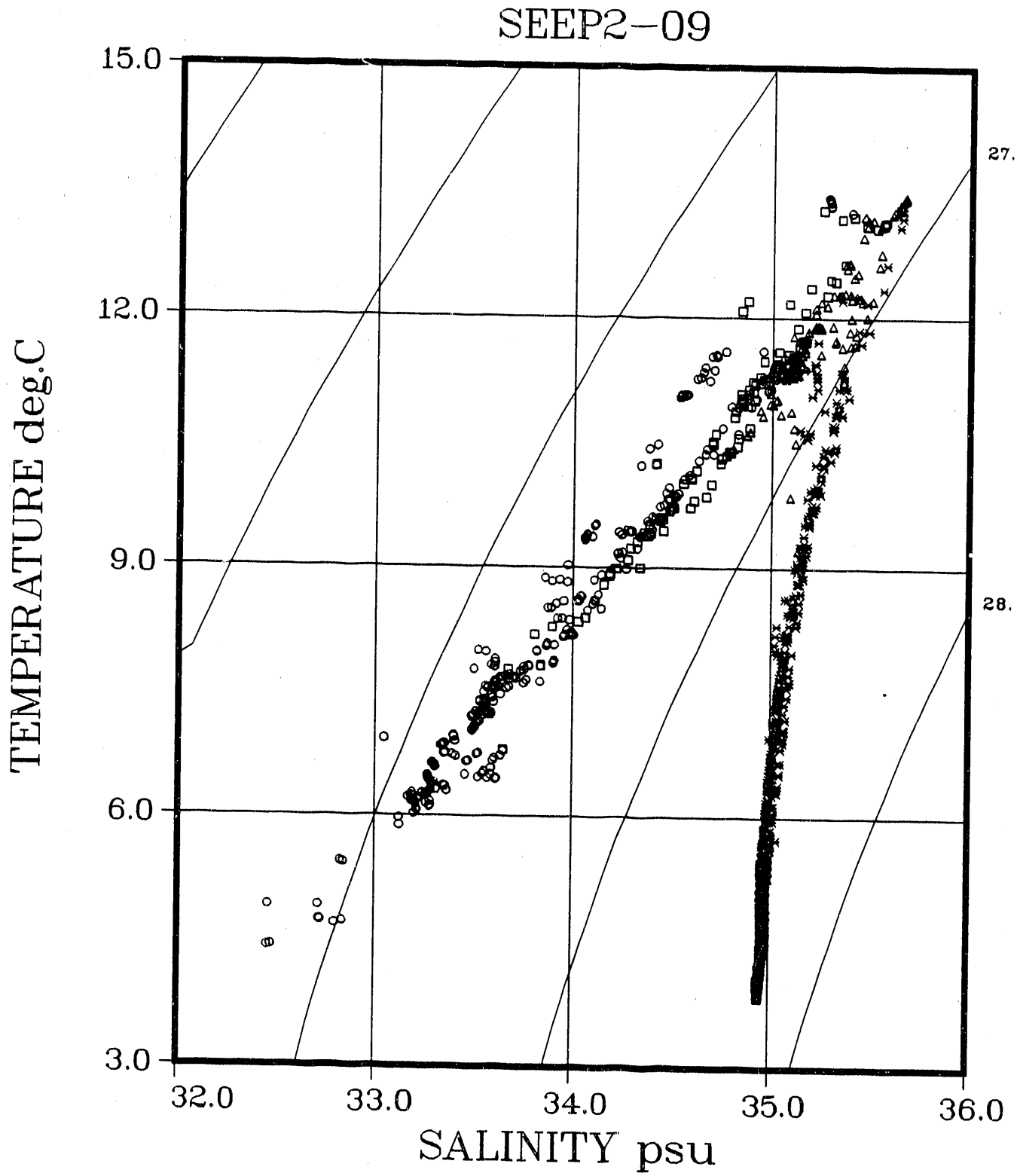


Figure 2. Temperature-Salinity diagram

CONTOURED CROSS-SECTIONS

Transect numbers are given following the cruise label. Station numbers are shown along the top margin. The "C" or "B" beneath the station number denotes whether data are from a CTD cast, or from Niskin bottle samples. The greatest sample depth for each station on the CTD contours is marked with a filled circle. All of the sample depths for the bottle values are marked with a filled circle. Surface values are listed along the top margin if found within 6 dbars of the surface. Contours are done for the top 200 meters. CTD data is also contoured for the top 1200 meters for the canyon transect. The following contour intervals are used for each variable:

Temperature	1.0 deg C
Salinity	0.2 psu
Sigma-t	0.2
Dissolved Oxygen	10.0 umole/l
Oxygen Saturation	5.0 %
Fluorescence	0.1 volts
Attenuation coeff.	0.05 m^{-1}
Phosphate	0.1 umole/l
Silicate	2.0 umole/l
Nitrate	2.0 umole/l
Nitrite	0.05 umole/l
Chlorophyll	0.5 ug/l
Dissolved Oxygen	20.0 umole/l

SEEP2-09 Transect 1

North Line

CONTOURED CROSS-SECTIONS

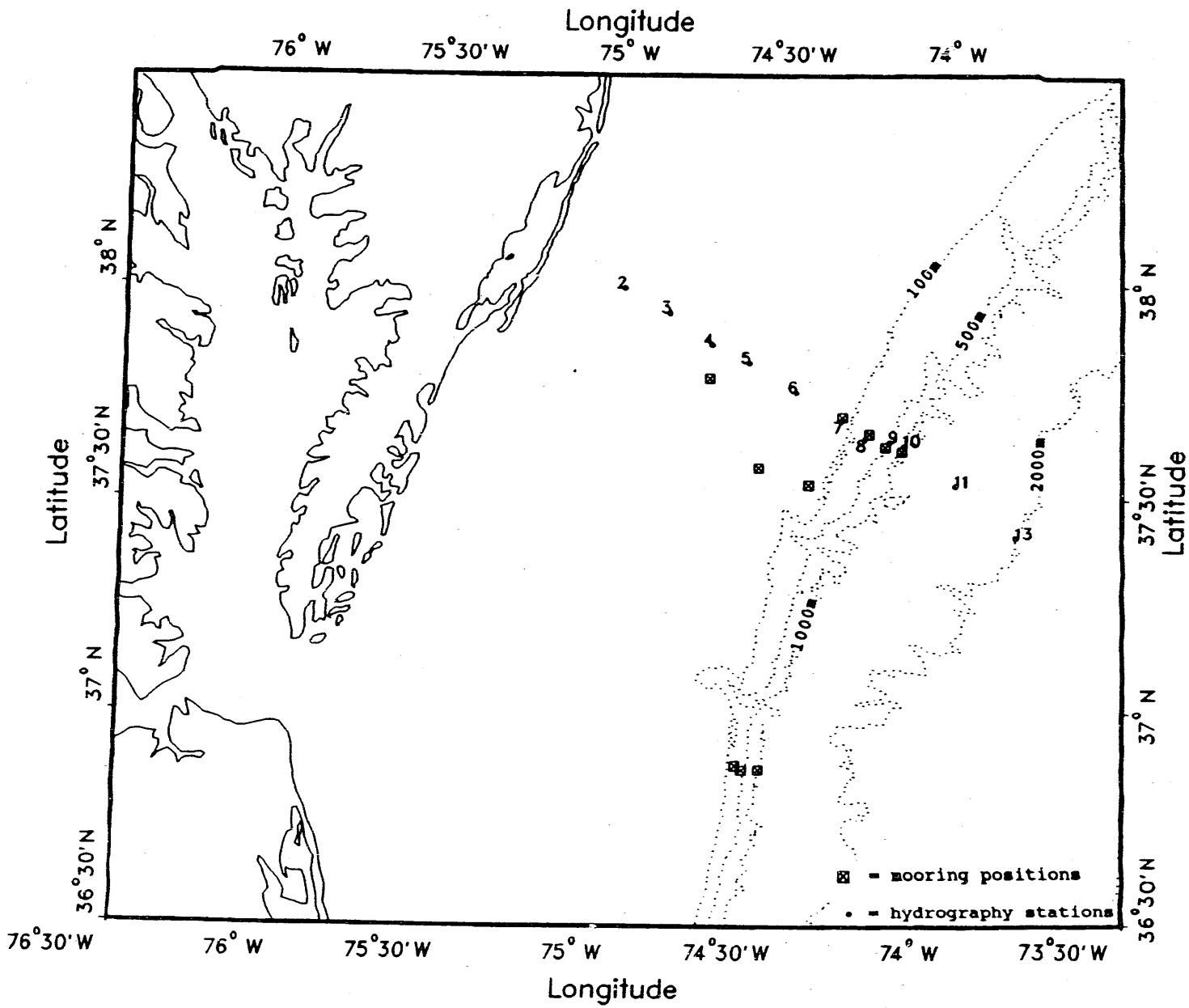
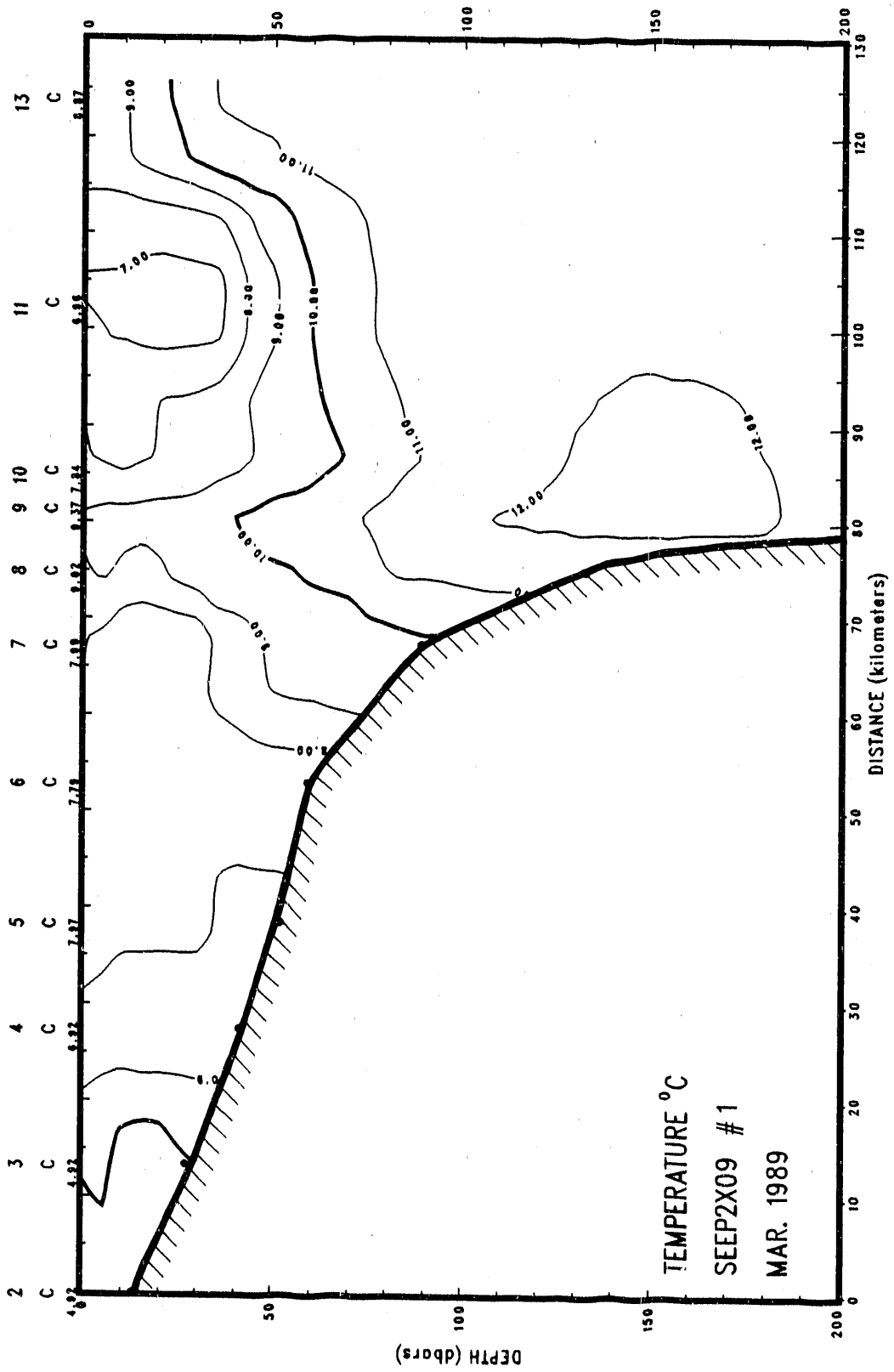
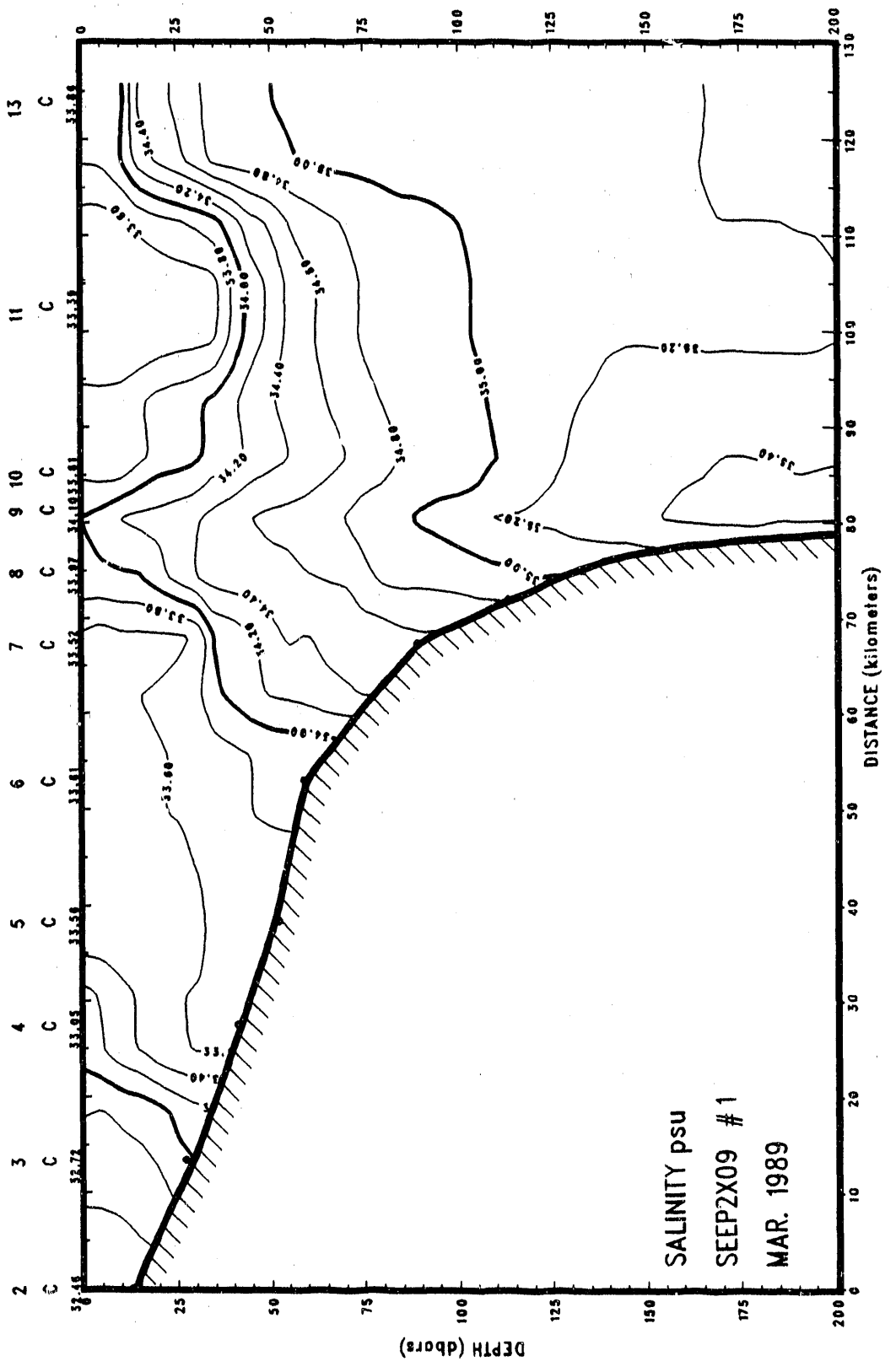


Figure 3. North line (Transect 1) map


TEMPERATURE °C
SEEP2X09 #1
MAR. 1989
DISTANCE (kilometers)
DEPTH (dbars)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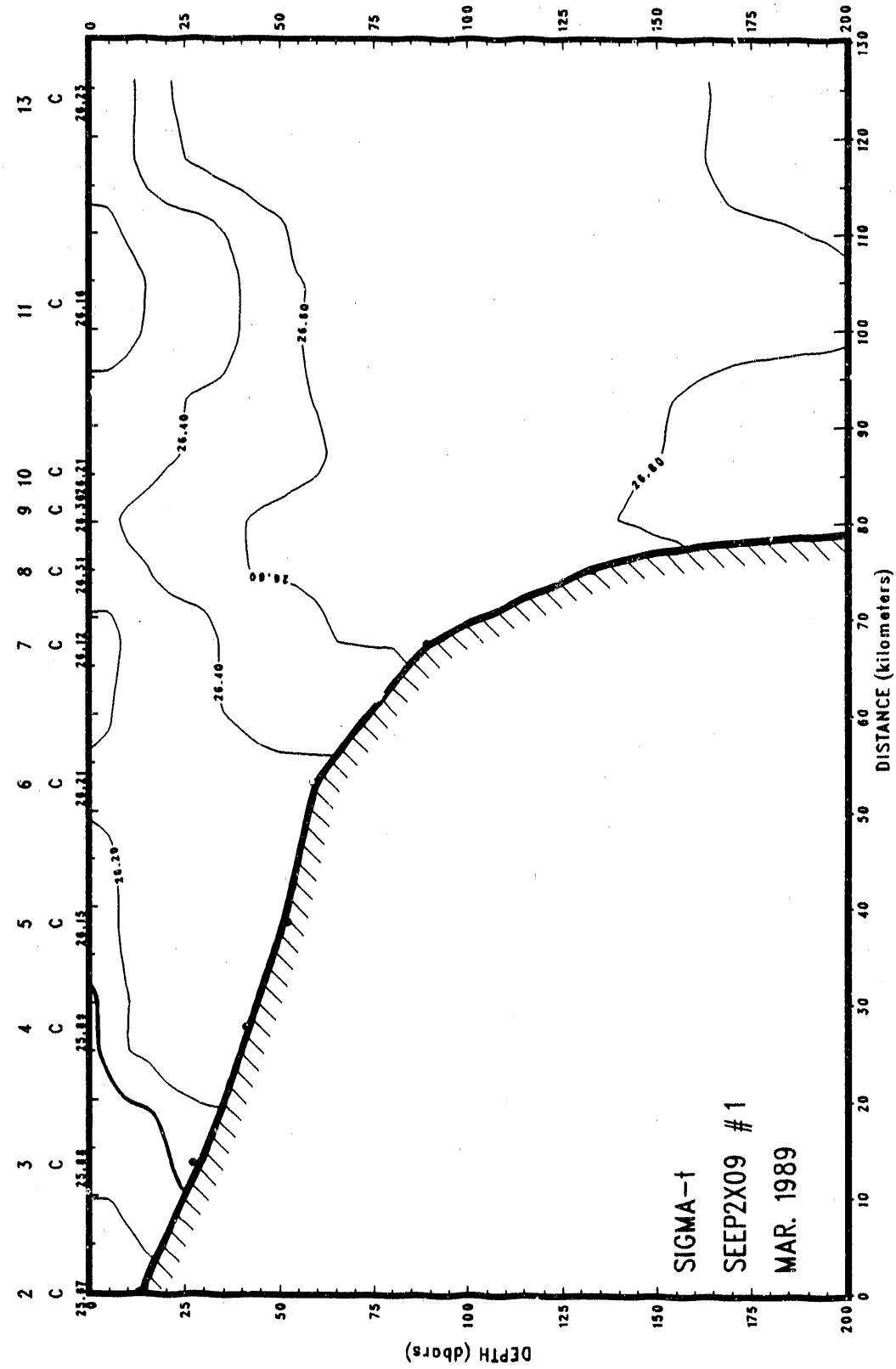
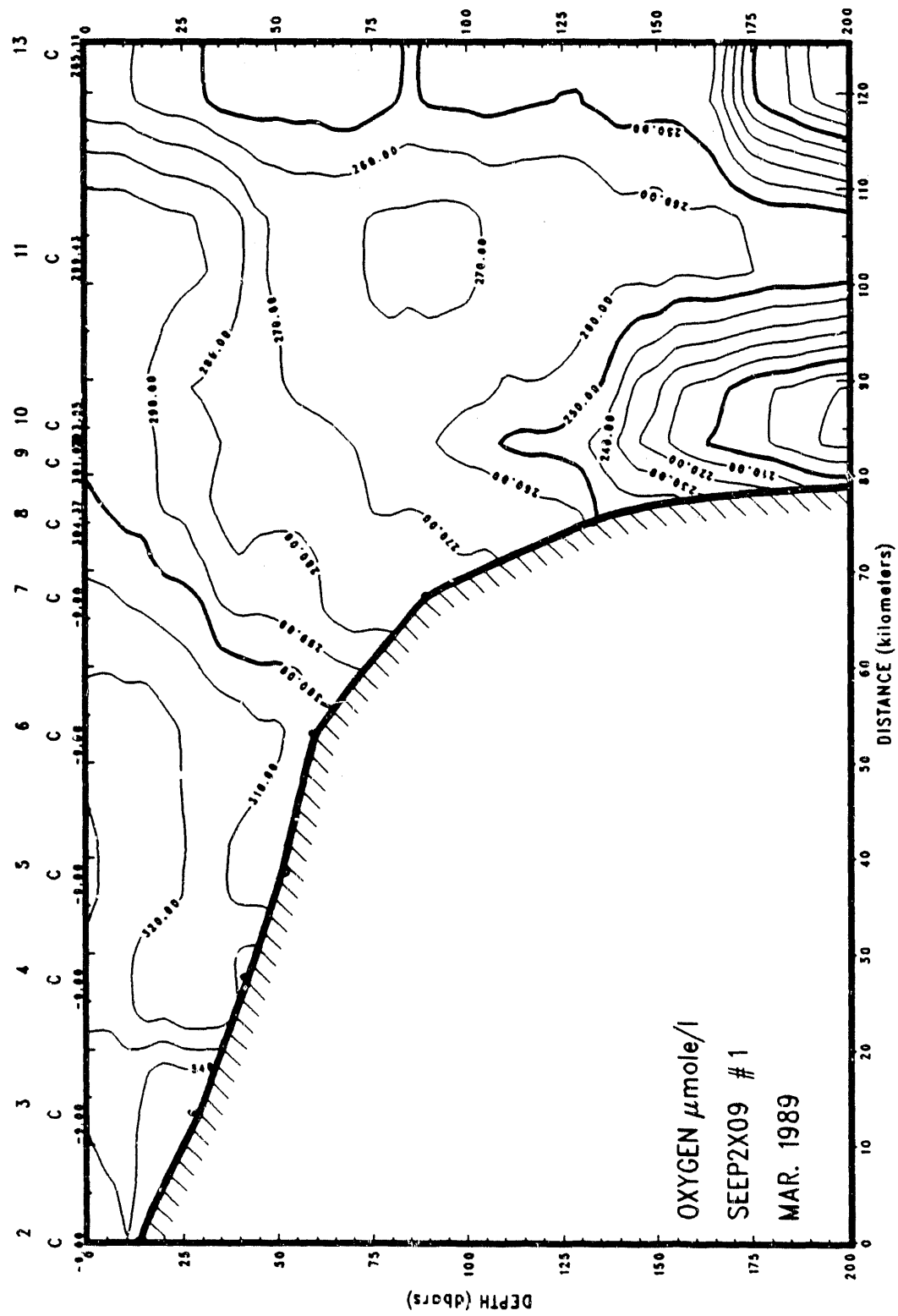
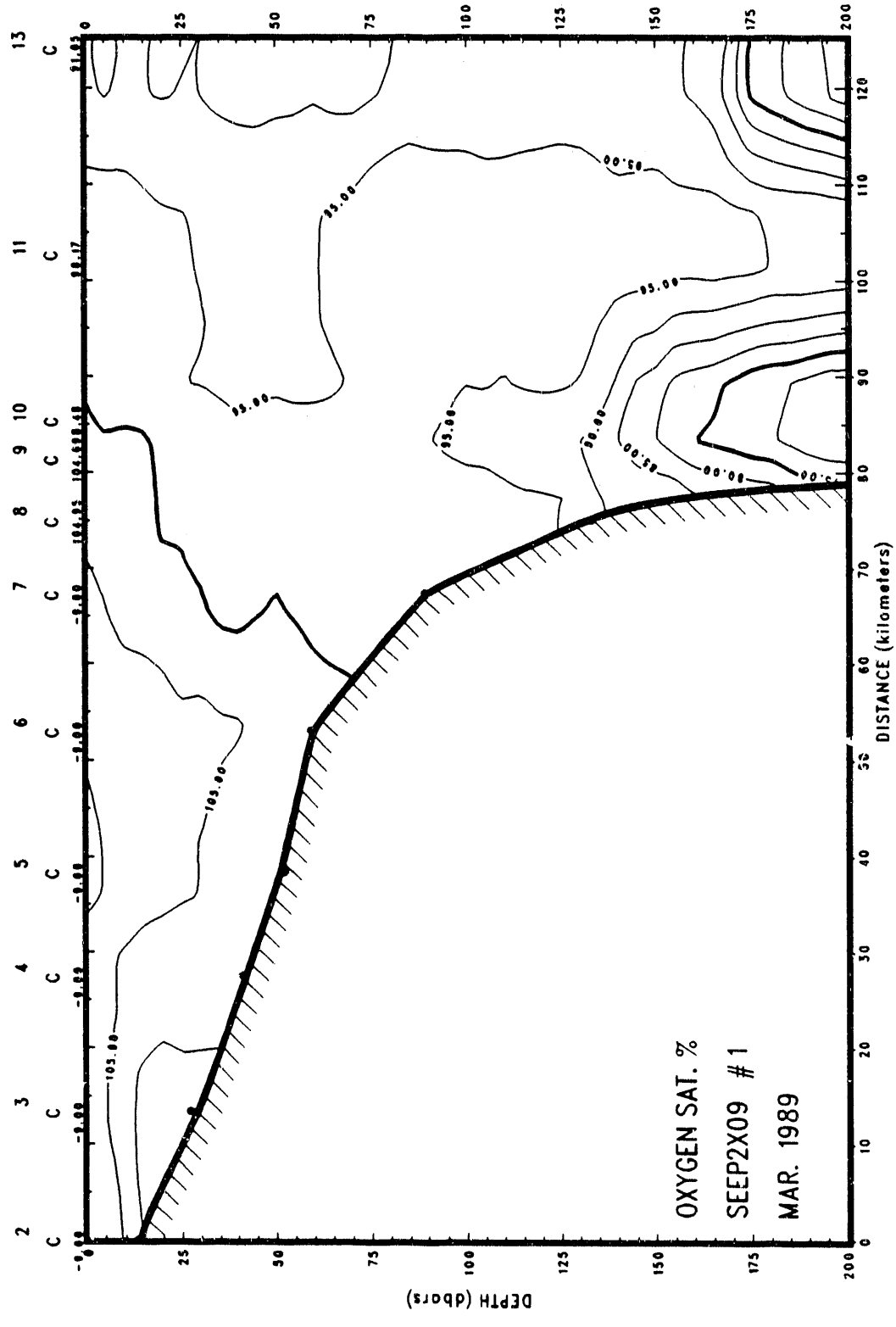
SEEP2X09 #1
MAR. 1989
DISTANCE (kilometers)
DEPTH (dbars)


SIGMA-t
SEEP2X09 #1
MAR. 1989
DEPTH (dbars)
DISTANCE (kilometers)


OXYGEN μmole/l
SEEP2X09 #1
MAR. 1989
DISTANCE (kilometers)
DEPTH (dbars)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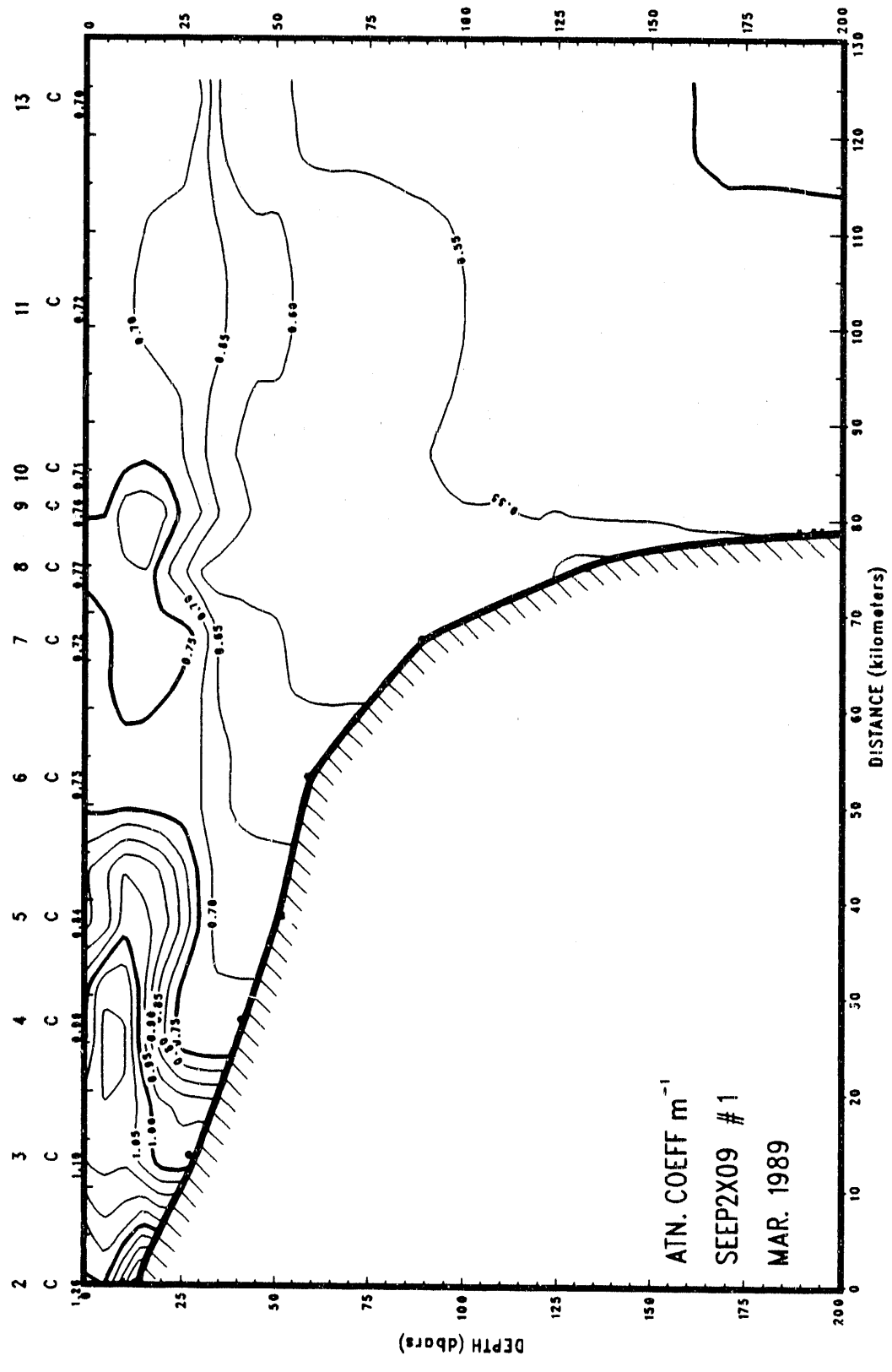
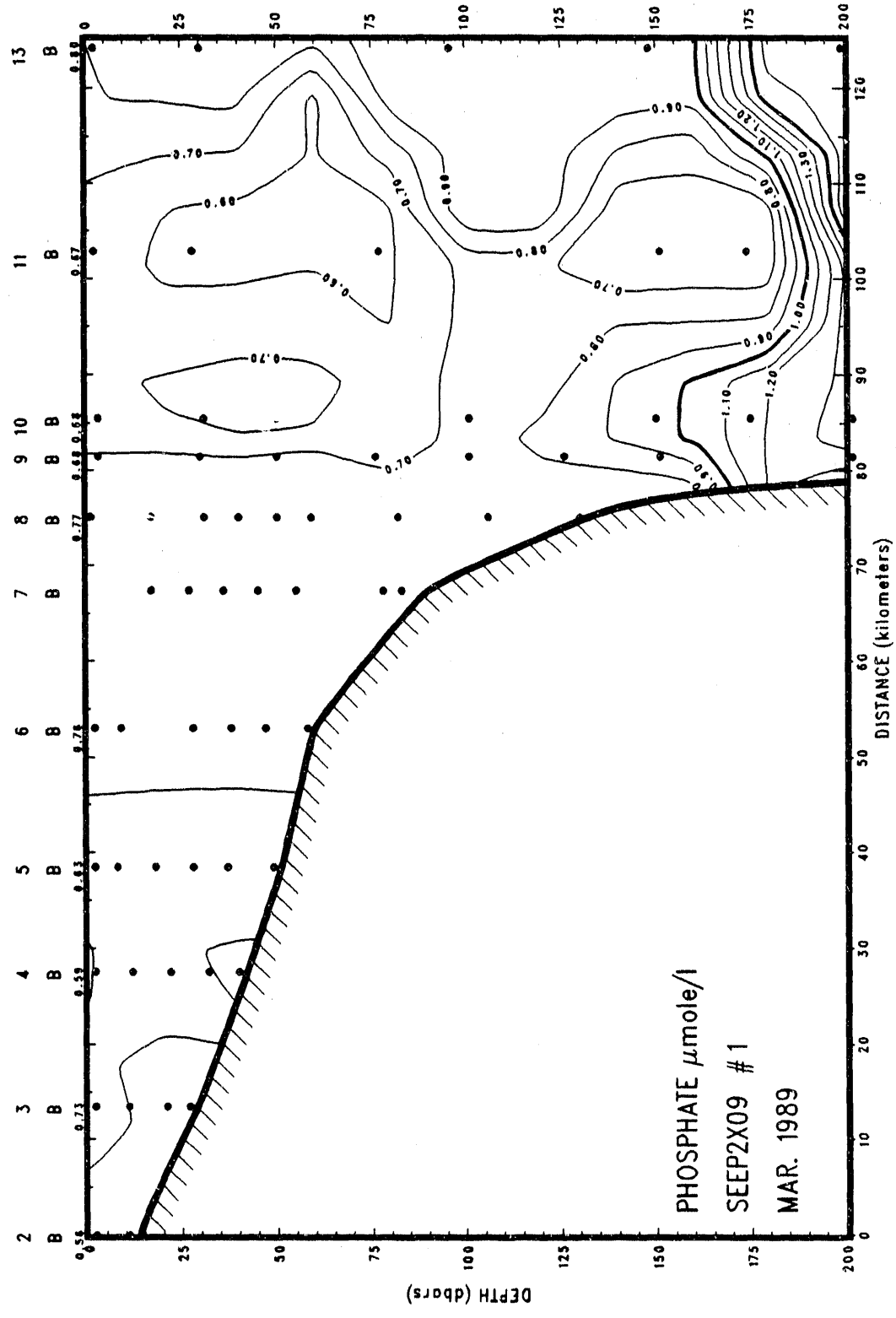
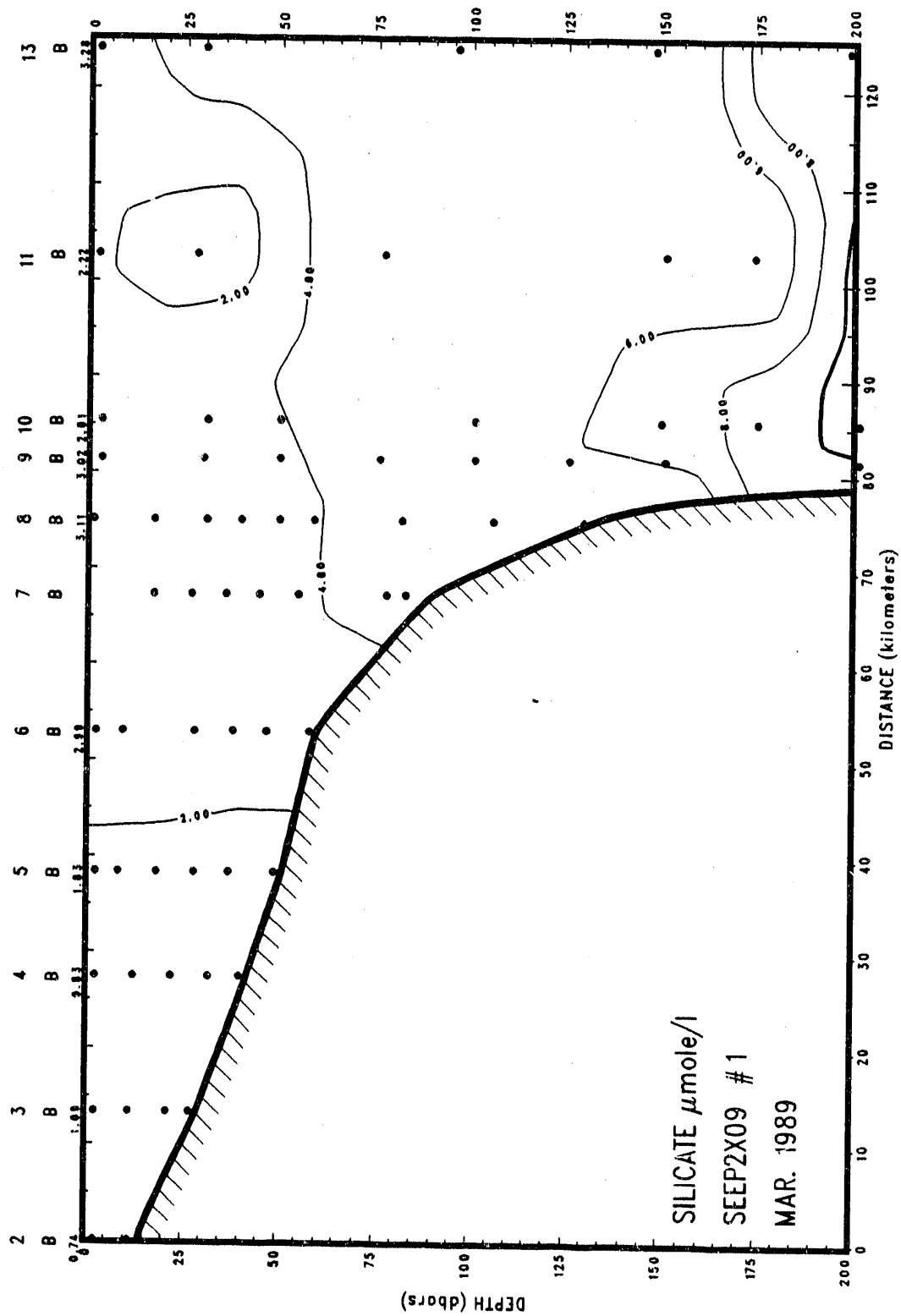
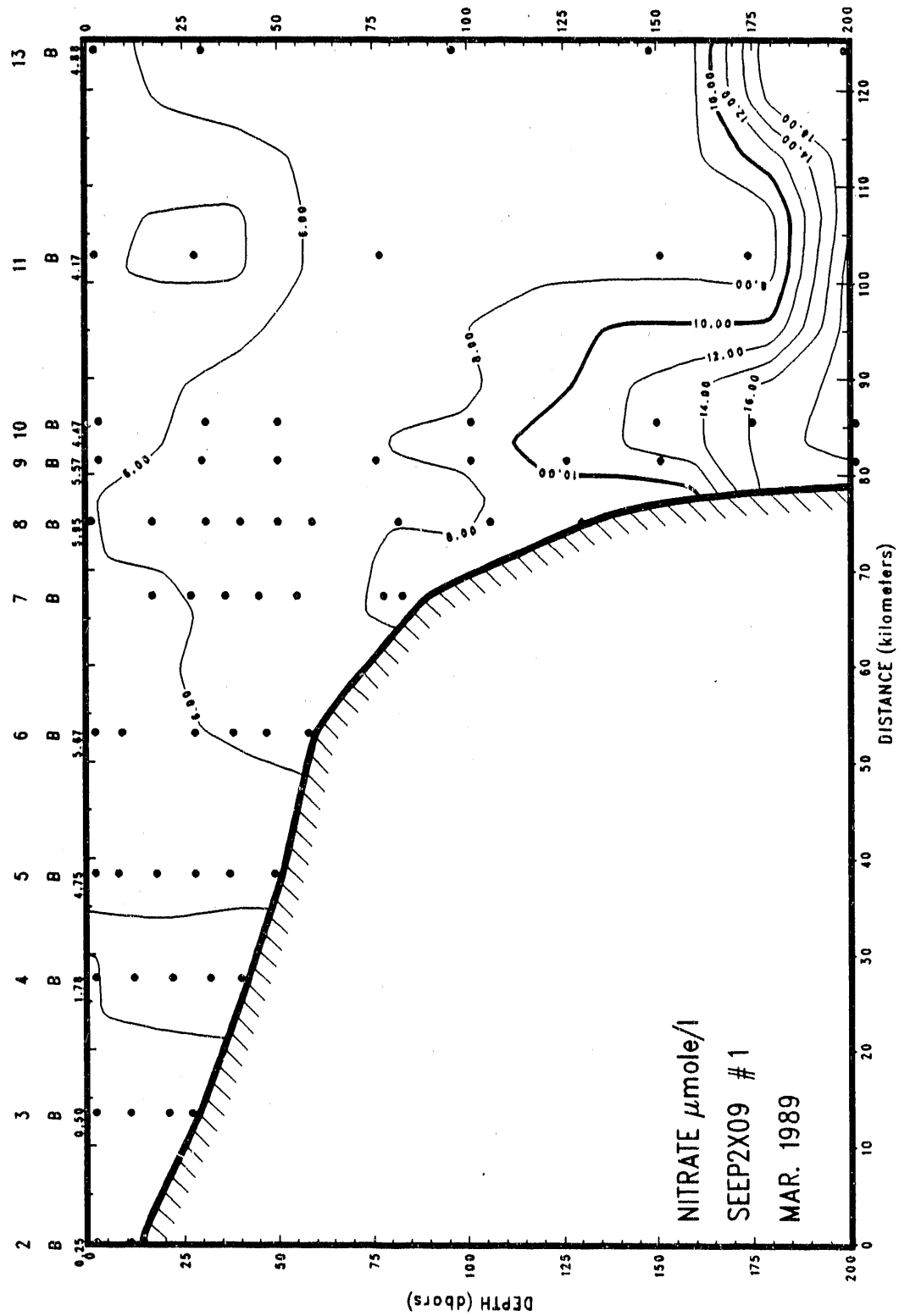
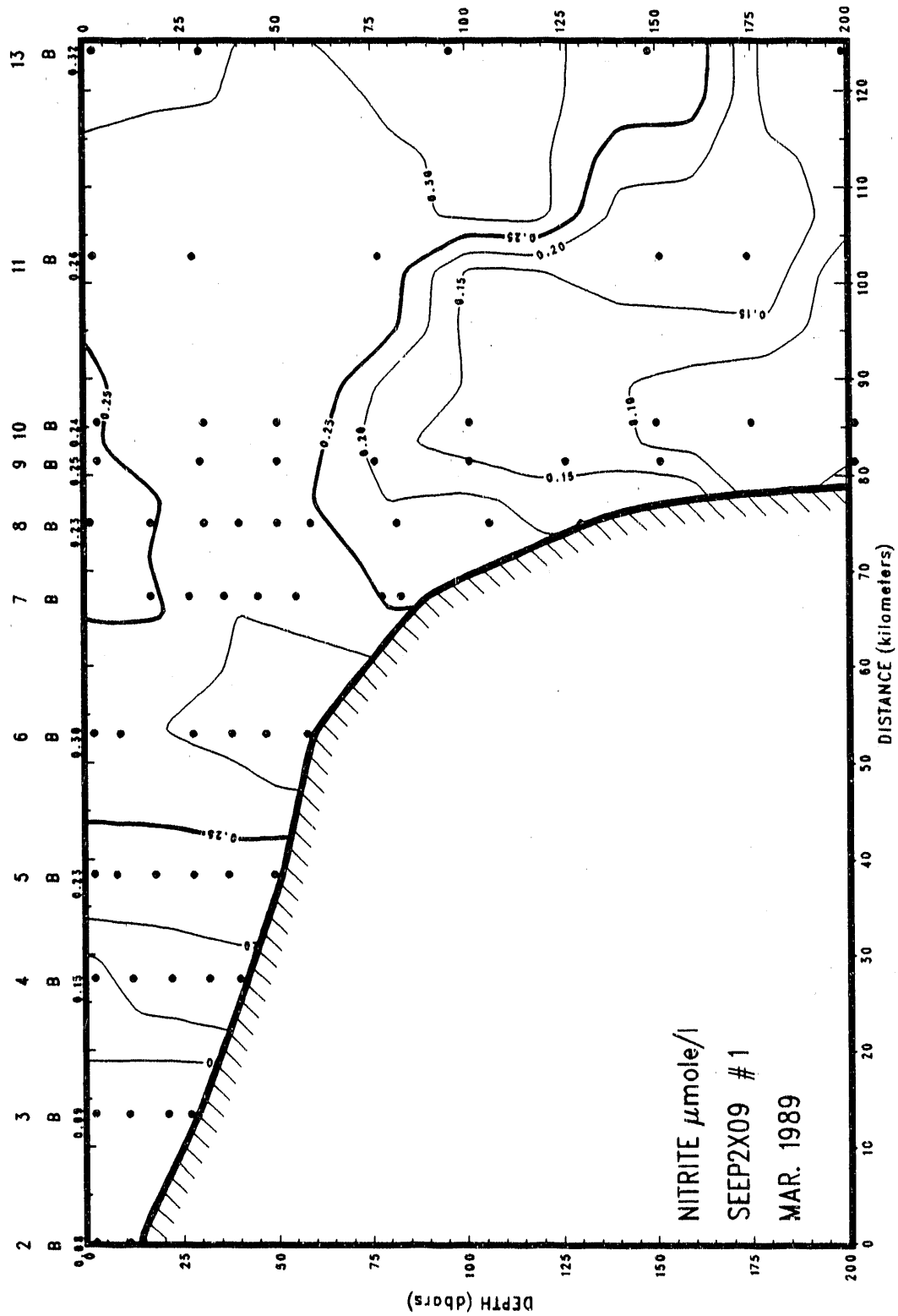
SEEP2X09 #1
MAR. 1989
DEPTH (dbars)
DISTANCE (kilometers)

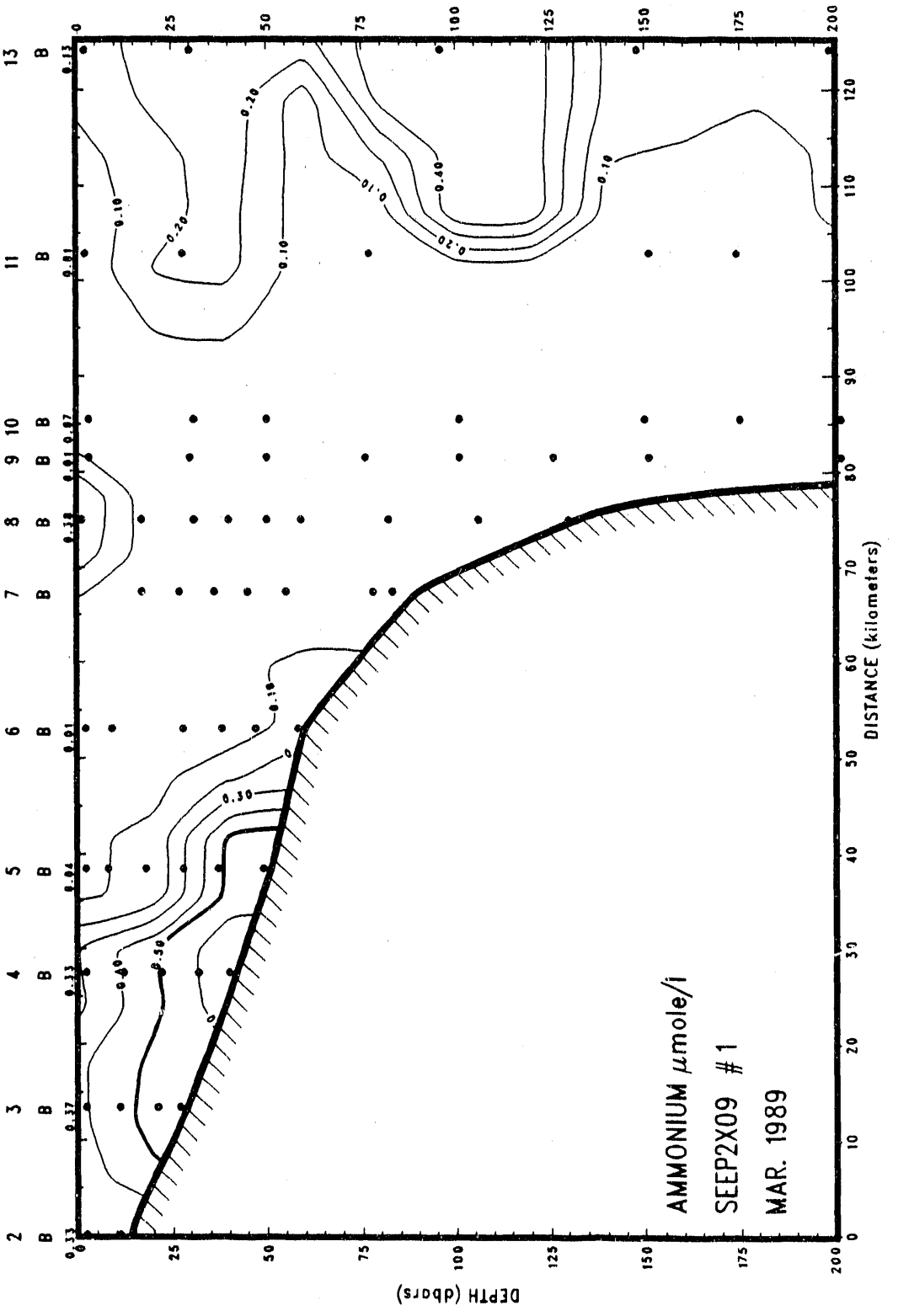

ATN. COEFF m⁻¹
SEEP2X09 #1
MAR. 1989
DEPTH (dbars)
DISTANCE (kilometers)

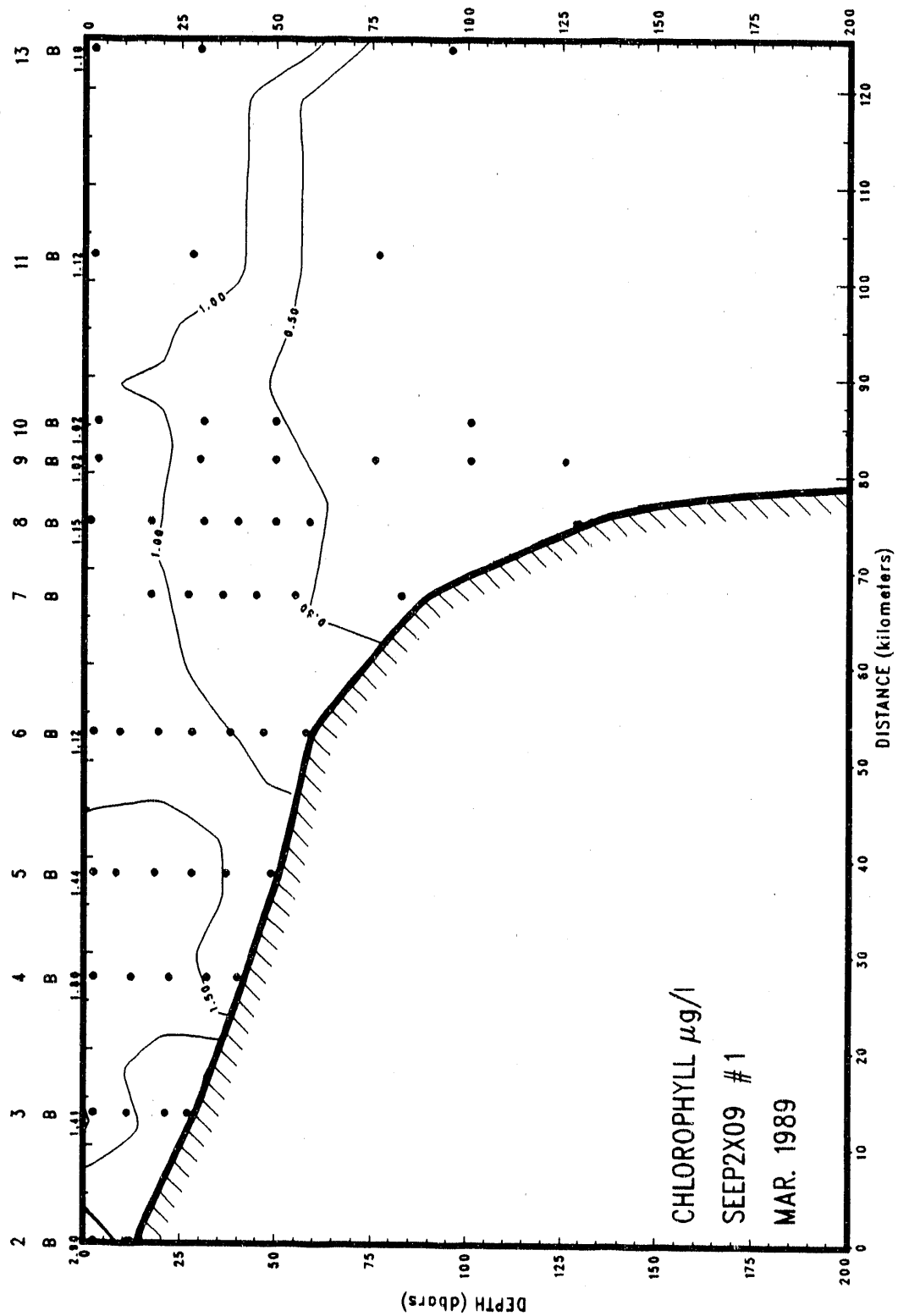

PHOSPHATE μmole/l
SEEP2X09 #1
MAR. 1989
DEPTH (dbars)
DISTANCE (kilometers)

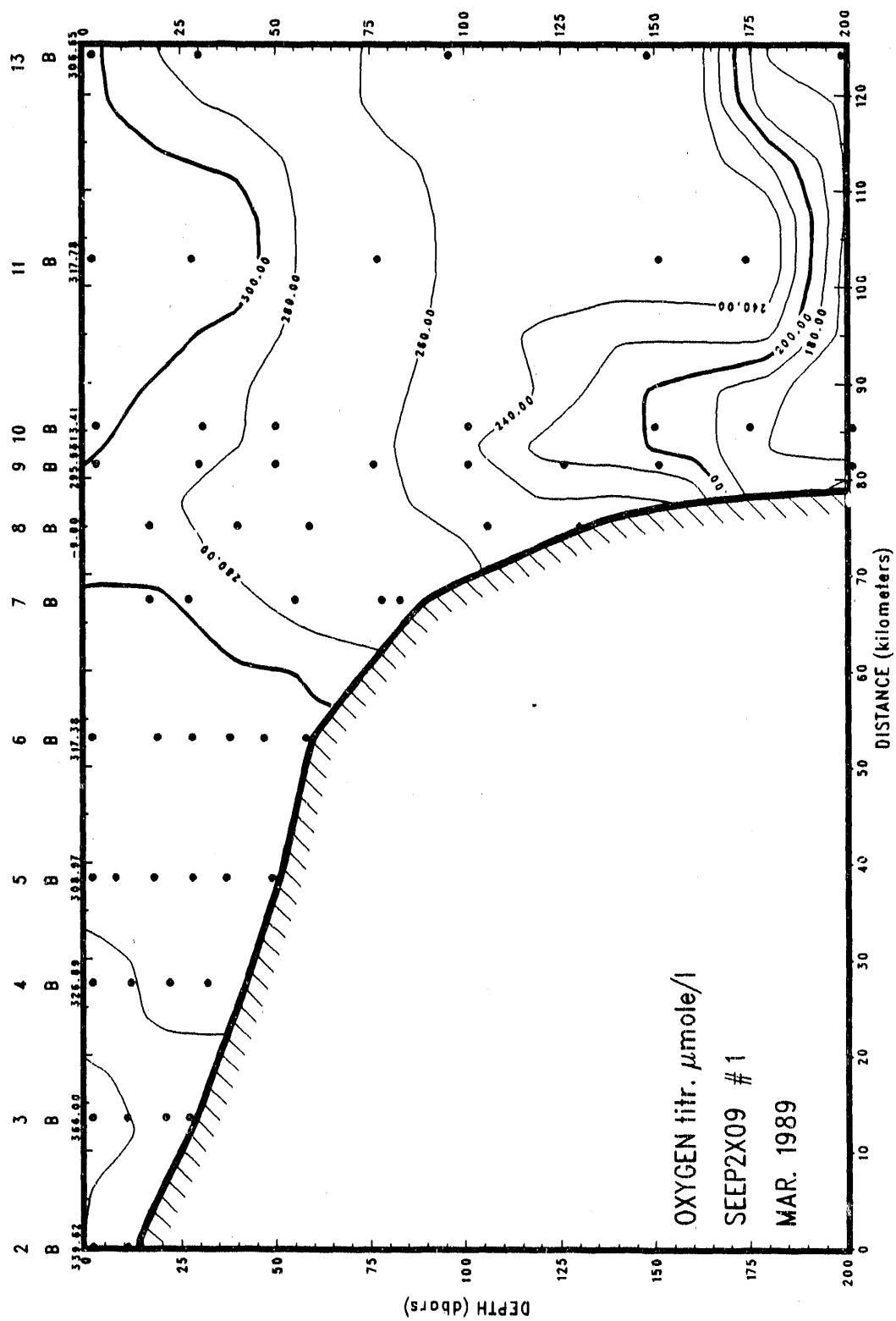

SILICATE μmole/l
SEEP2X09 #1
MAR. 1989
DEPTH (dbars)
DISTANCE (kilometers)
2.00
4.00
6.00
8.00


NITRATE μmole/l
SEEP2X09 #1
MAR. 1989
DEPTH (dbars)
DISTANCE (kilometers)
6.00
8.00
10.00
12.00
14.00
16.00
18.00


NITRITE μmole/l
SEEP2X09 #1
MAR. 1989
DEPTH (dbars)
DISTANCE (kilometers)


AMMONIUM μmole/l
SEEP2X09 #1
MAR. 1989
DEPTH (dbars)
DISTANCE (kilometers)


CHLOROPHYLL µg/l
SEEP2X09 #1
MAR. 1989
DEPTH (dbars)
DISTANCE (kilometers)
1.00
0.50
1.50


OXYGEN titr. µmole/l
SEEP2X09 #1
MAR. 1989
DEPTH (dbars)
DISTANCE (kilometers)
300.00
280.00
260.00
240.00
220.00
200.00
180.00

SEEP2-09 Transect 2

South Line

CONTOURED CROSS-SECTIONS

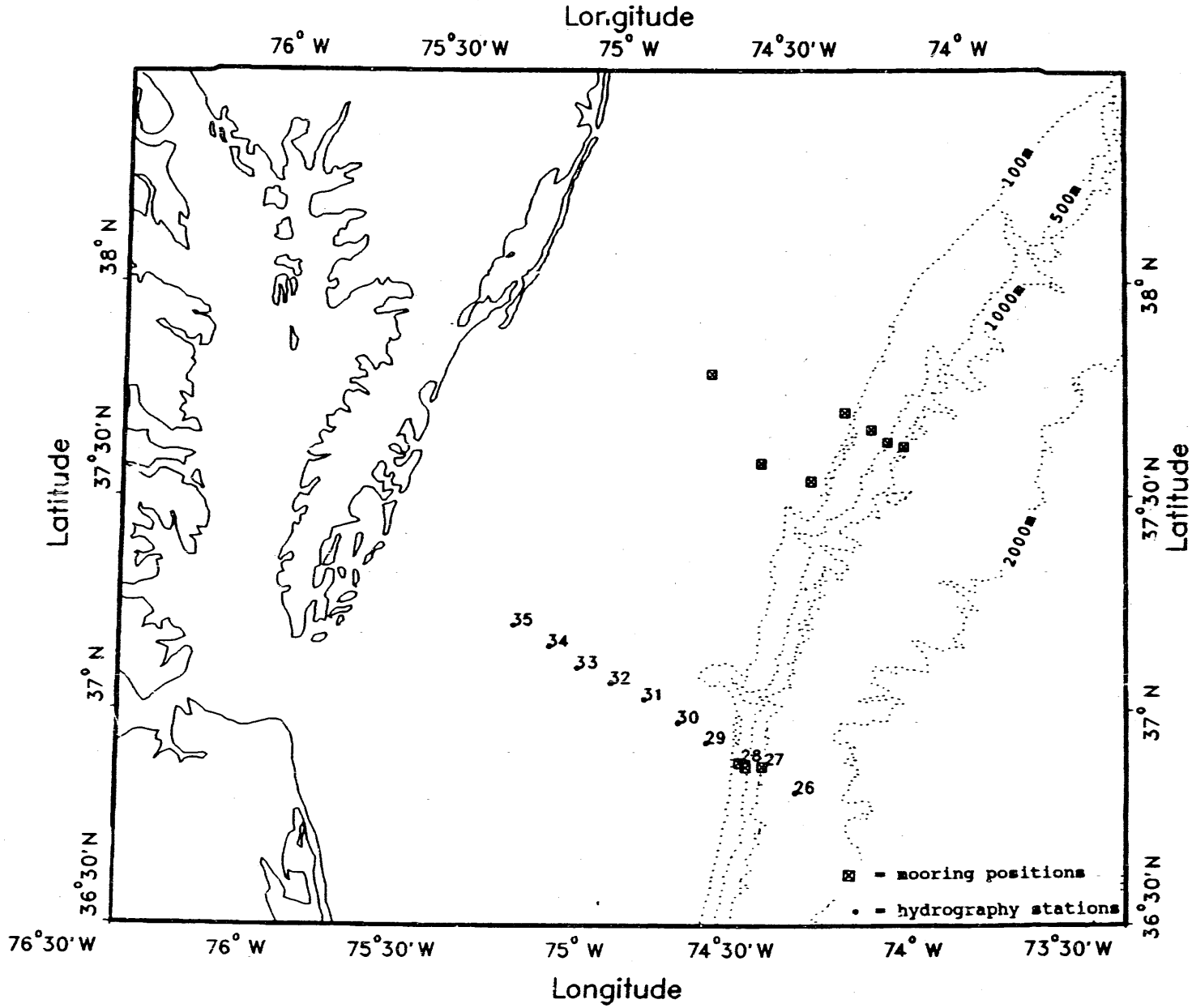
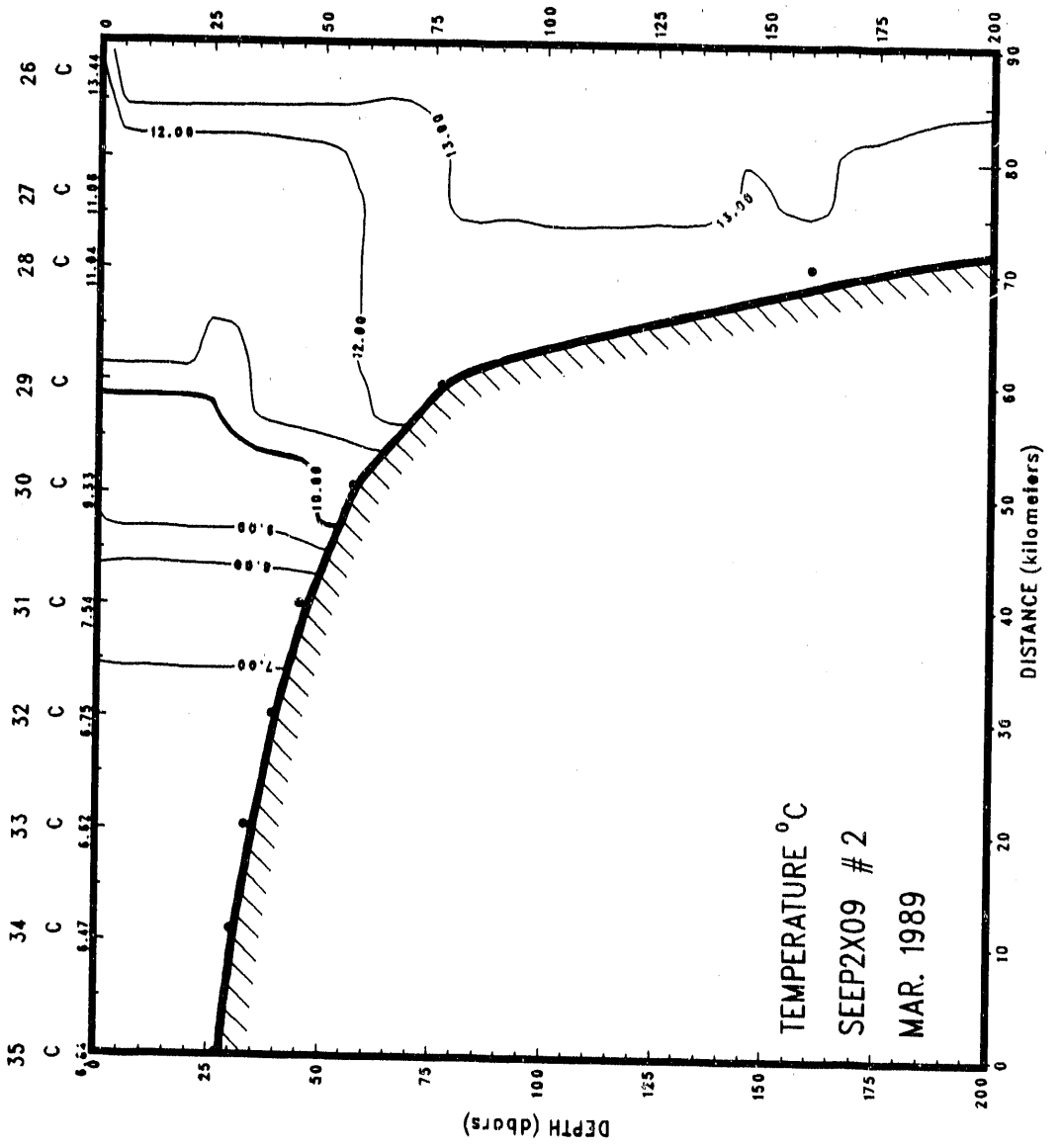
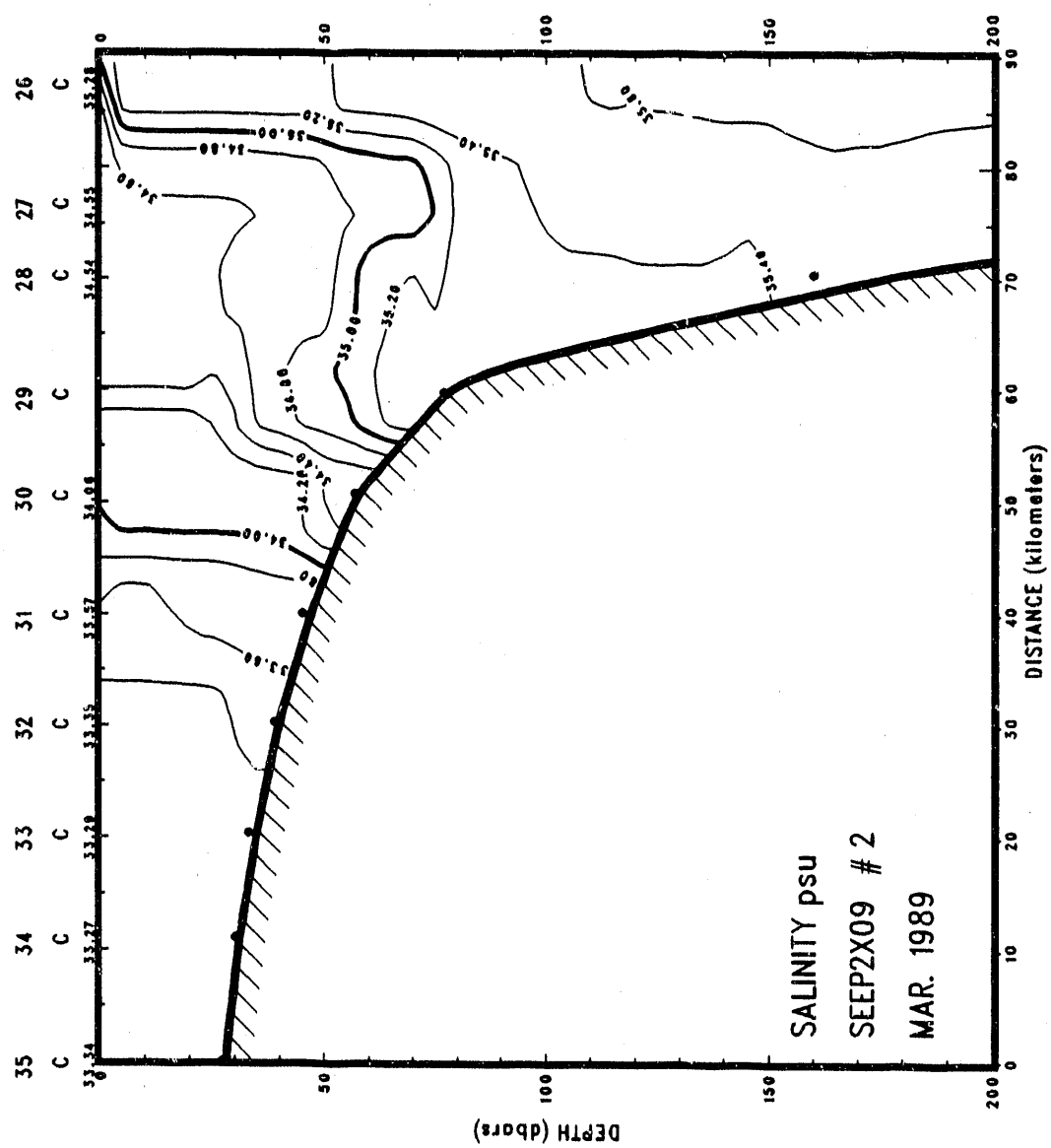
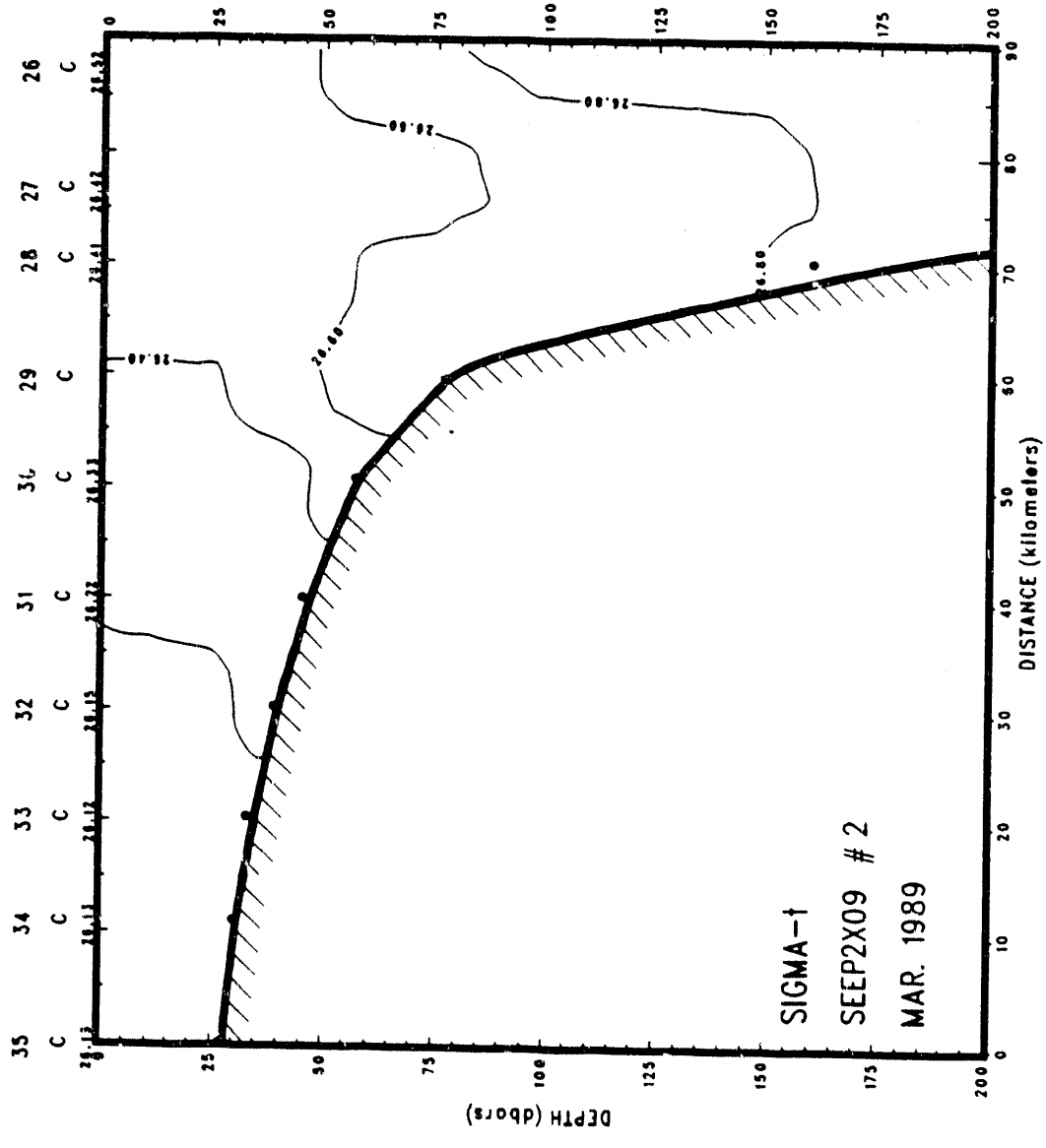
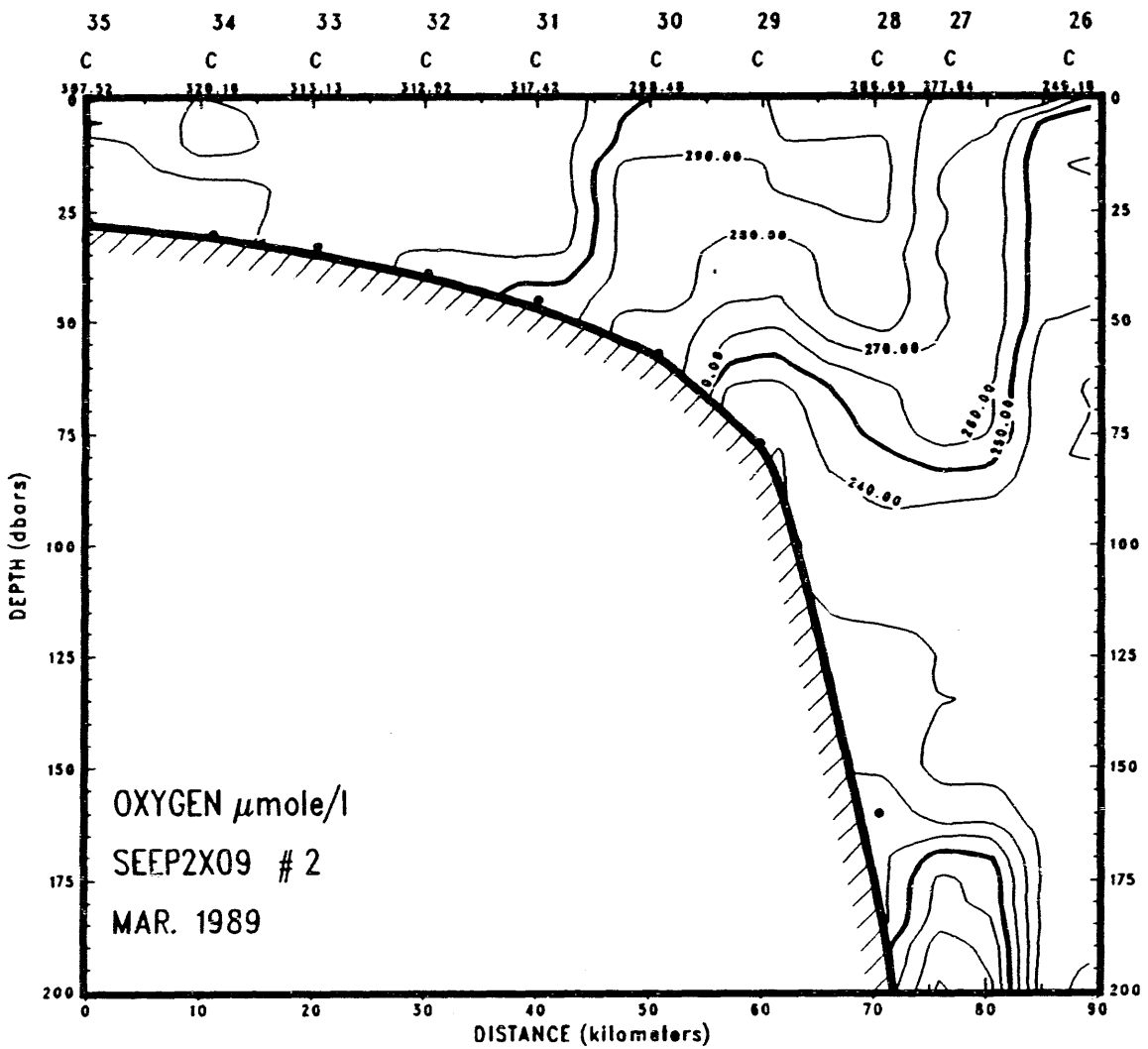


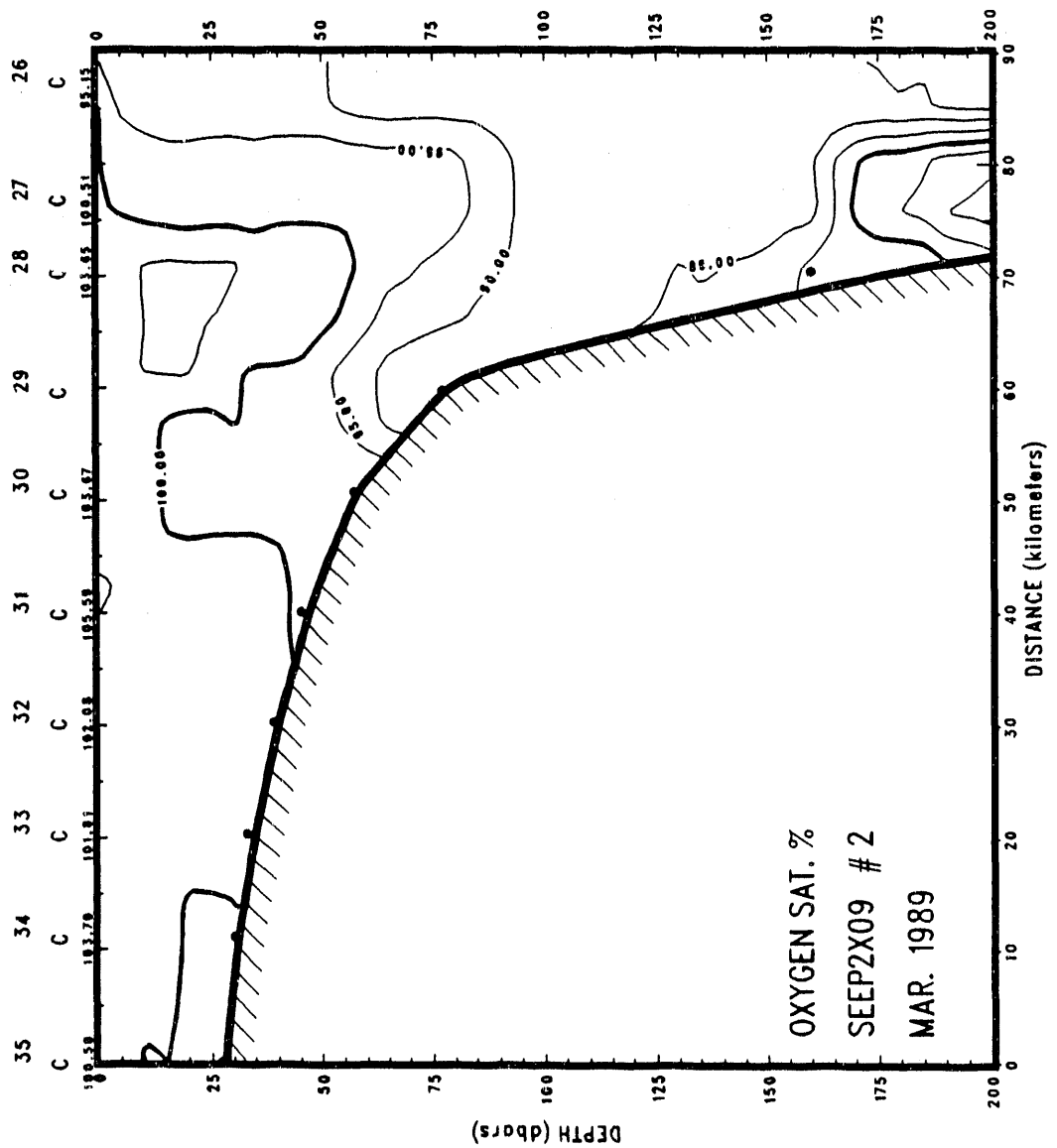
Figure 4. South line (Transect 2) map

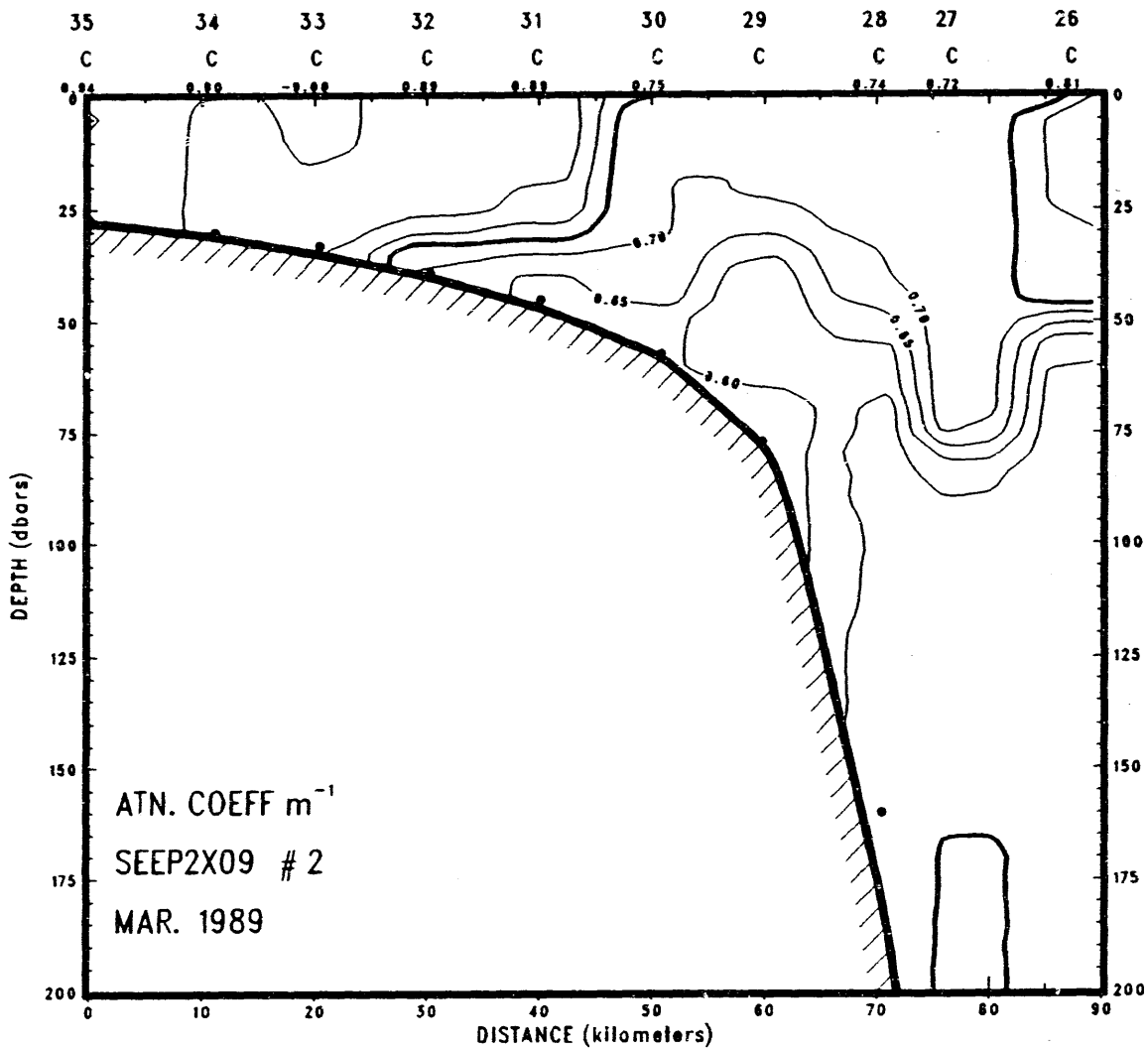

TEMPERATURE °C
SEEP2X09 #2
MAR. 1989
DEPTH (dbars)
DISTANCE (kilometers)
12.00
13.00
13.50
10.00
9.00
8.00
7.00

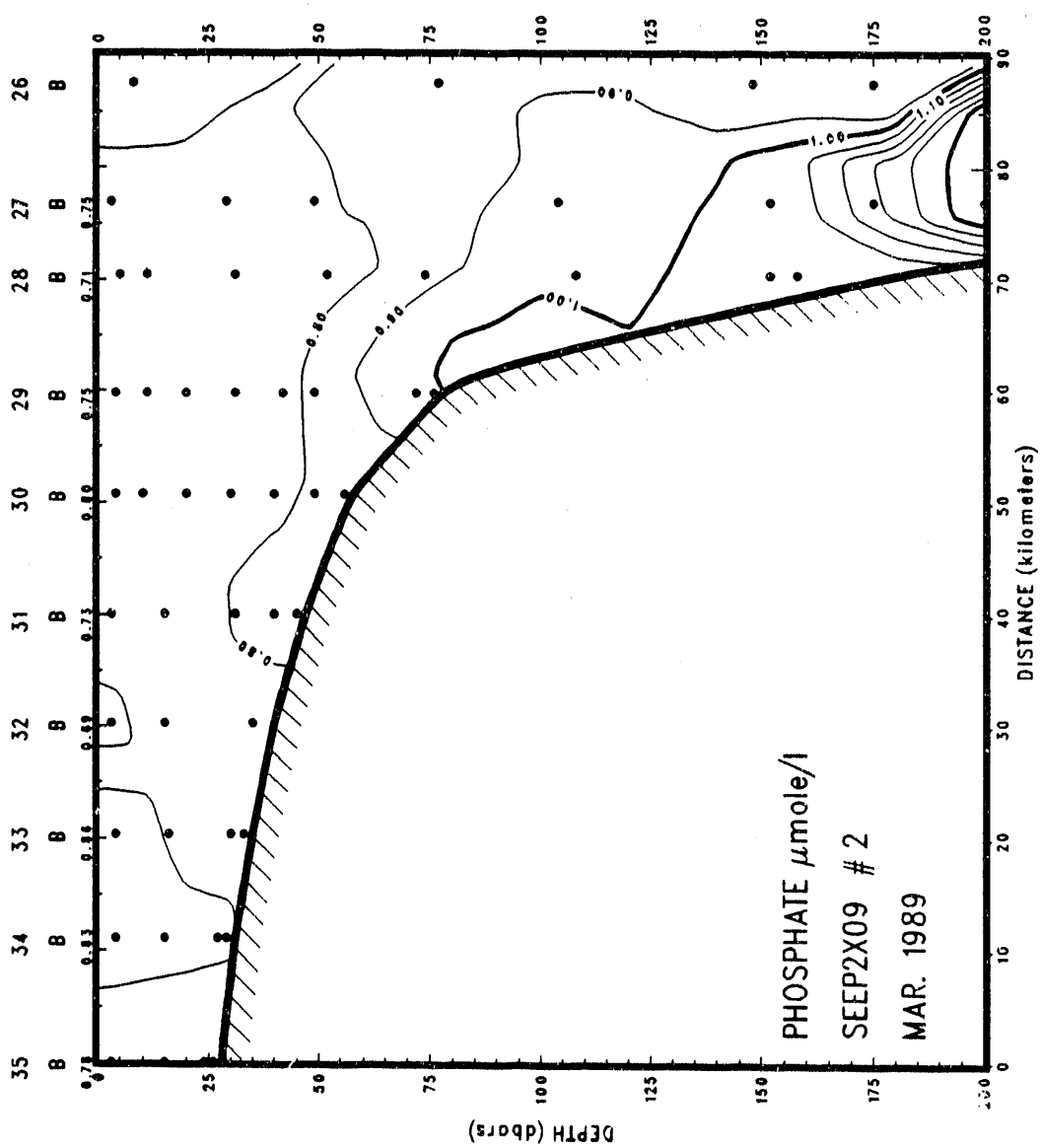

SALINITY psu
SEEP2X09 # 2
MAR. 1989
DISTANCE (kilometers)
DEPTH (dbars)

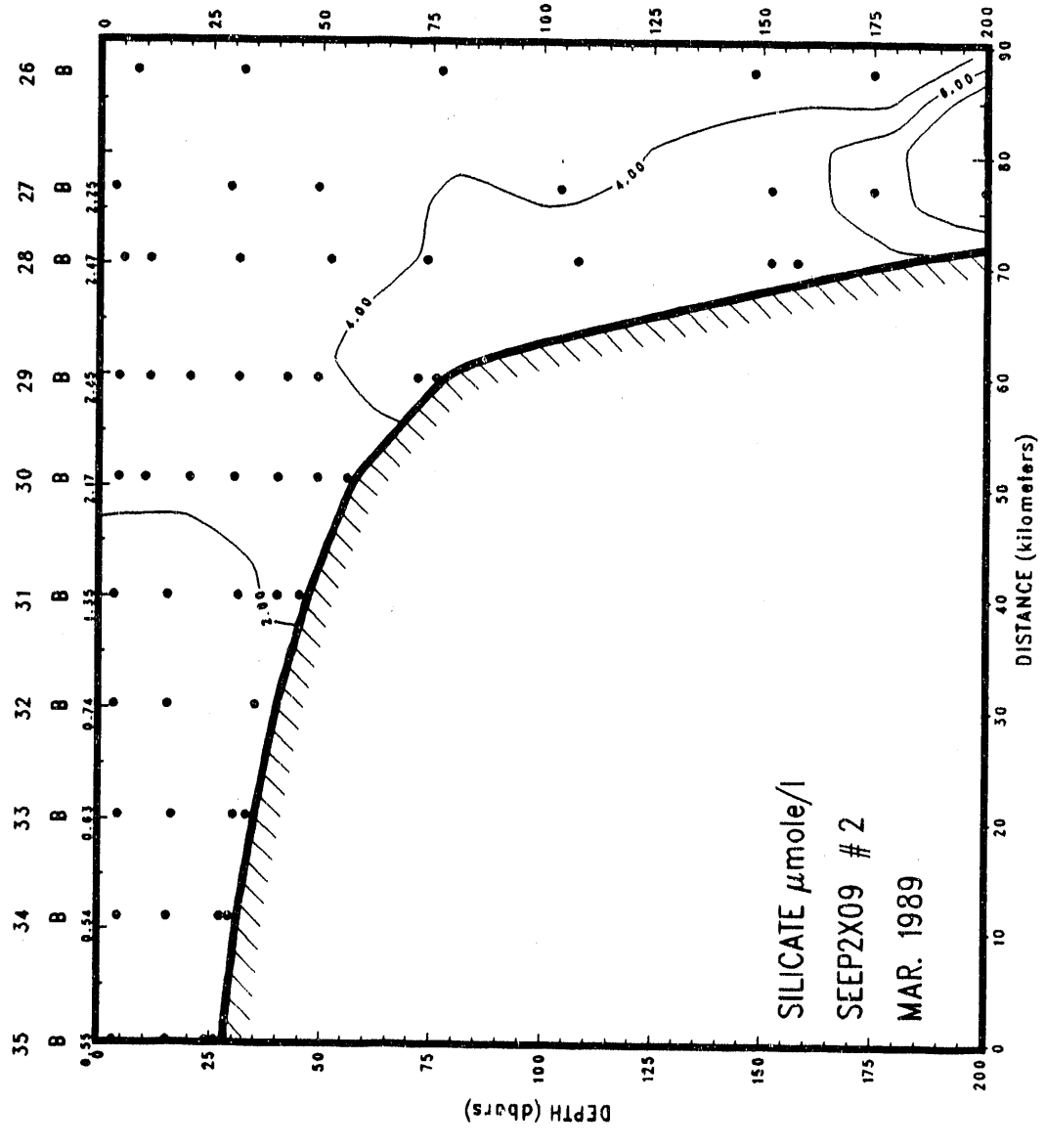

SIGMA-t
SEEP2X09 # 2
MAR. 1989
DEPTH (dbars)
DISTANCE (kilometers)

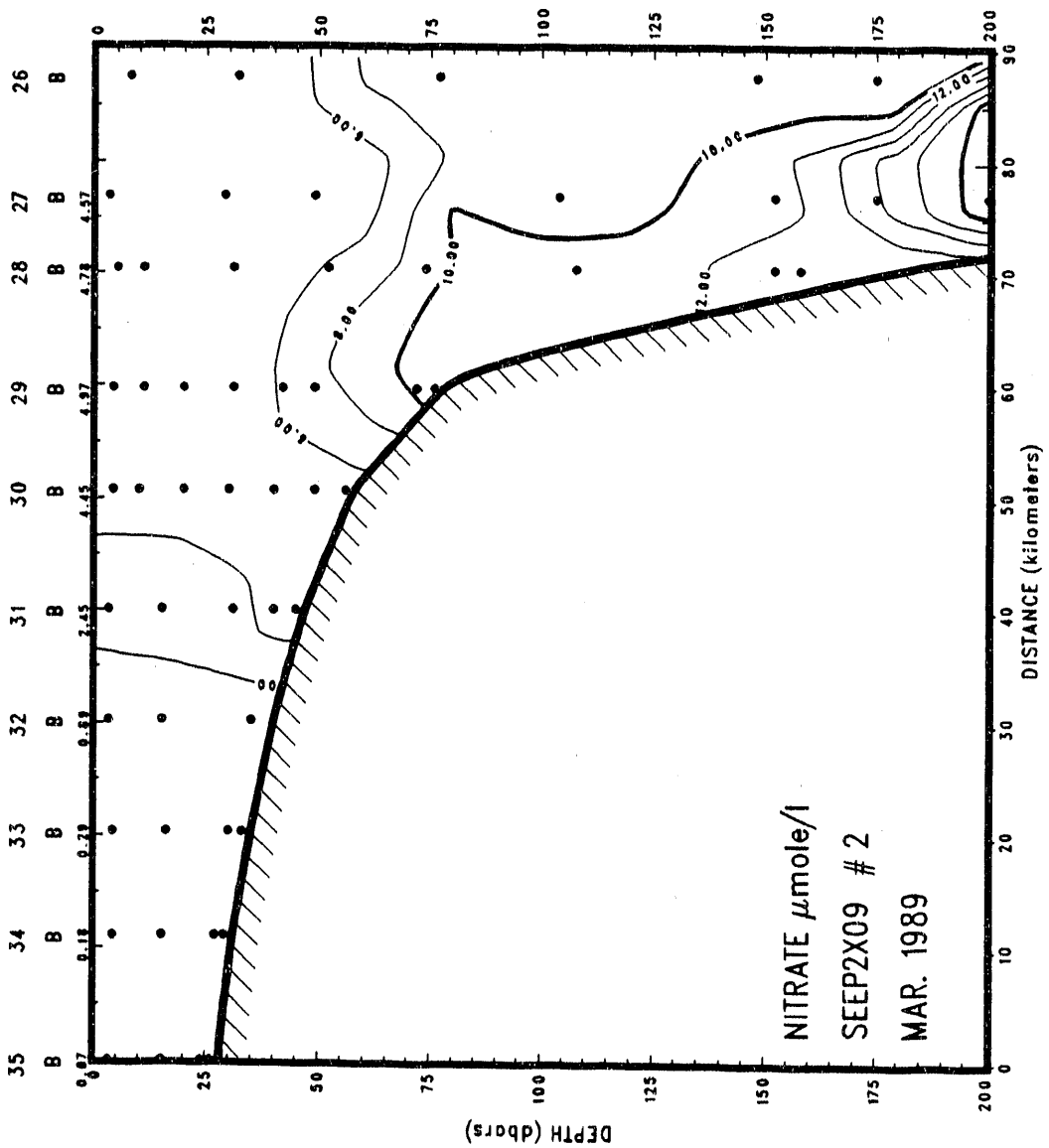

35 34 33 32 31 30 29 28 27 26
C C C C C C C C C C
DEPTH (dbars)
DISTANCE (kilometers)
0 10 20 30 40 50 60 70 80 90
0 25 50 75 100 125 150 175 200
290.00
280.00
270.00
260.00
250.00
240.00
OXYGEN μmole/l
SEEP2X09 # 2
MAR. 1989

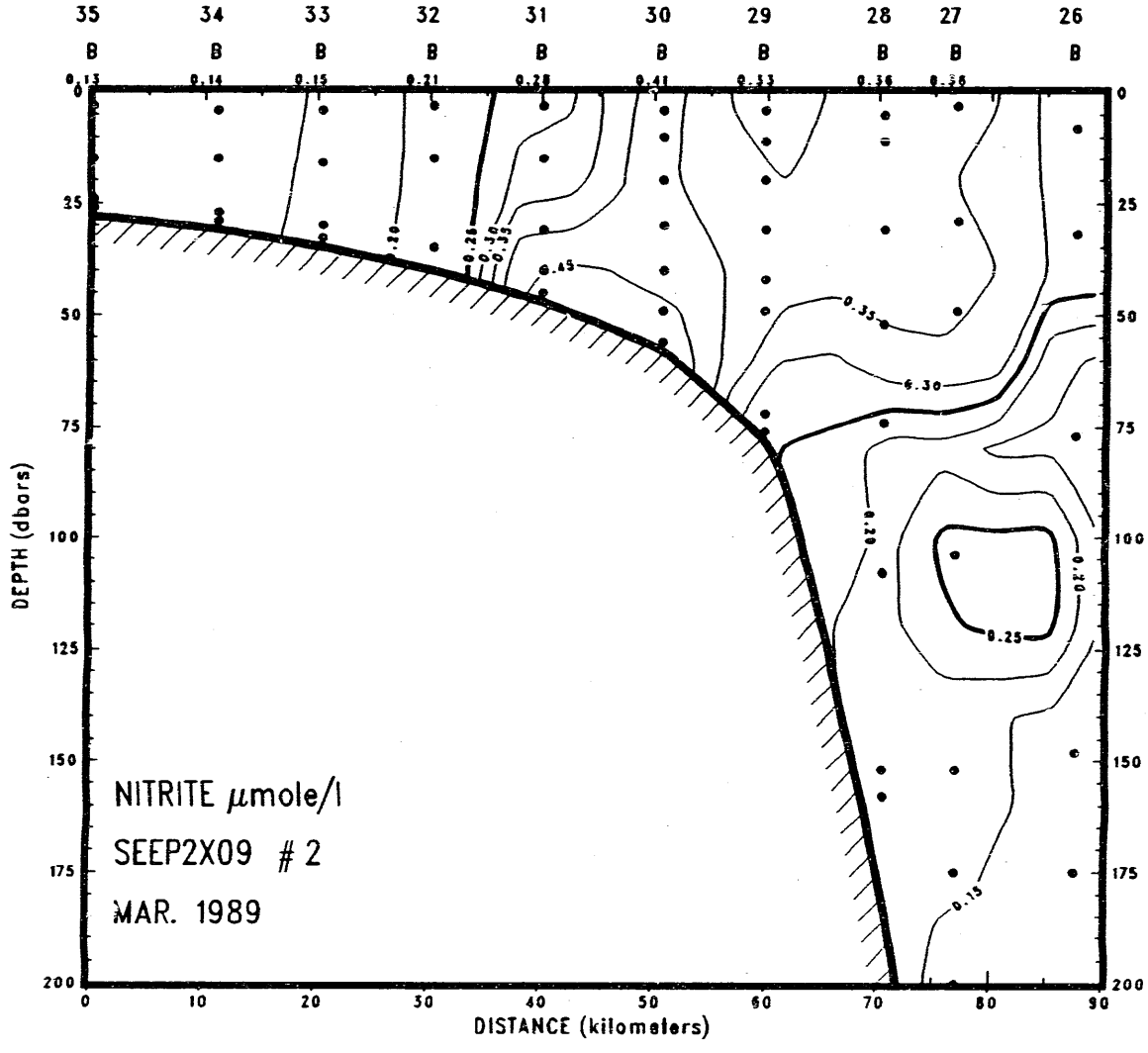

OXYGEN SAT. %
SEEP2X09 # 2
MAR. 1989
DEPTH (dbars)
DISTANCE (kilometers)

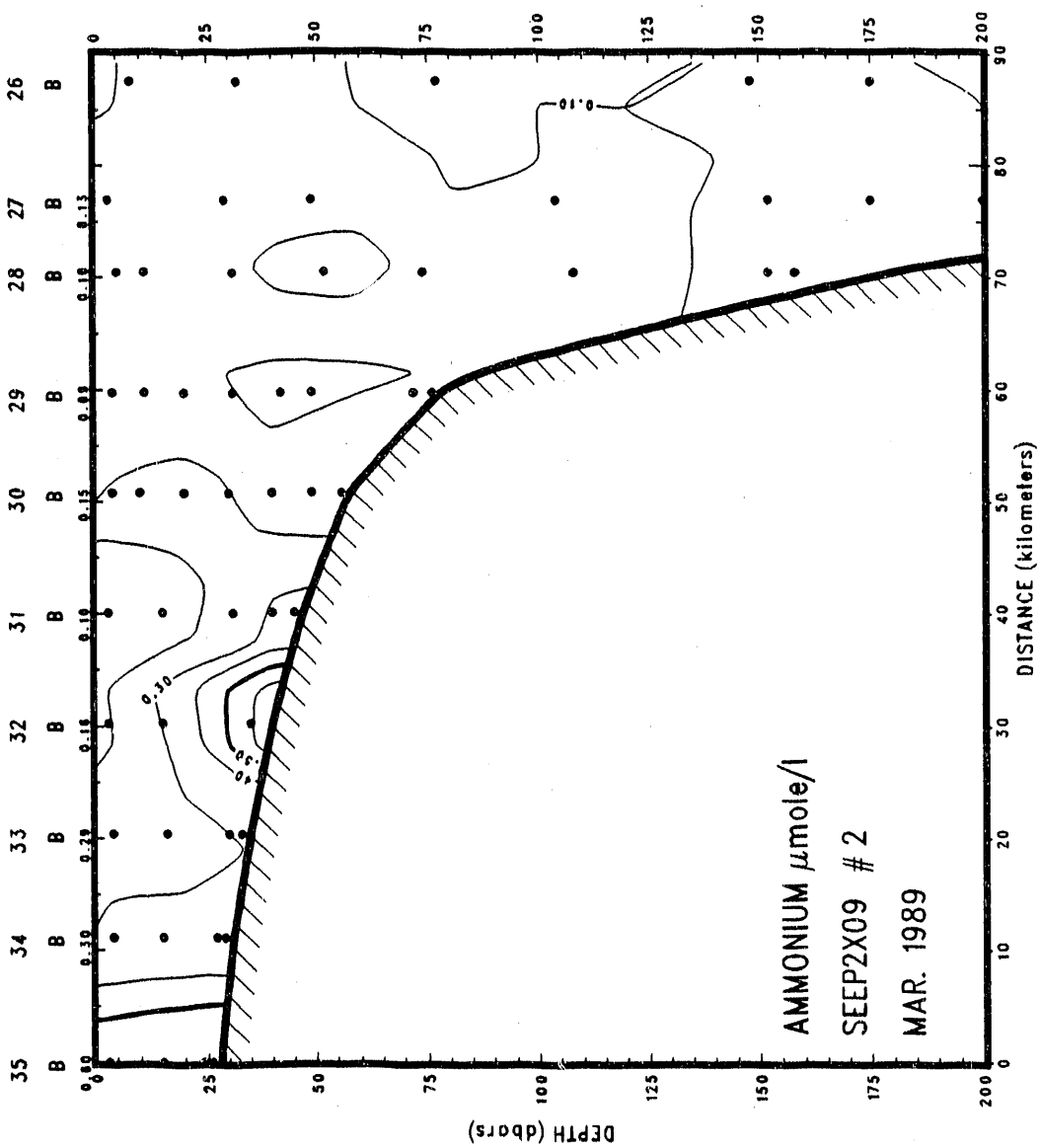

35 C
34 C
33 C
32 C
31 C
30 C
29 C
28 C
27 C
26 C
0.75
0.74
0.72
0.70
0.65
0.60
0.70
0.65
DEPTH (dbars)
0
25
50
75
100
125
150
175
200
ATN. COEFF m^{-1}
SEEP2X09 # 2
MAR. 1989
0
10
20
30
40
50
60
70
80
90
DISTANCE (kilometers)

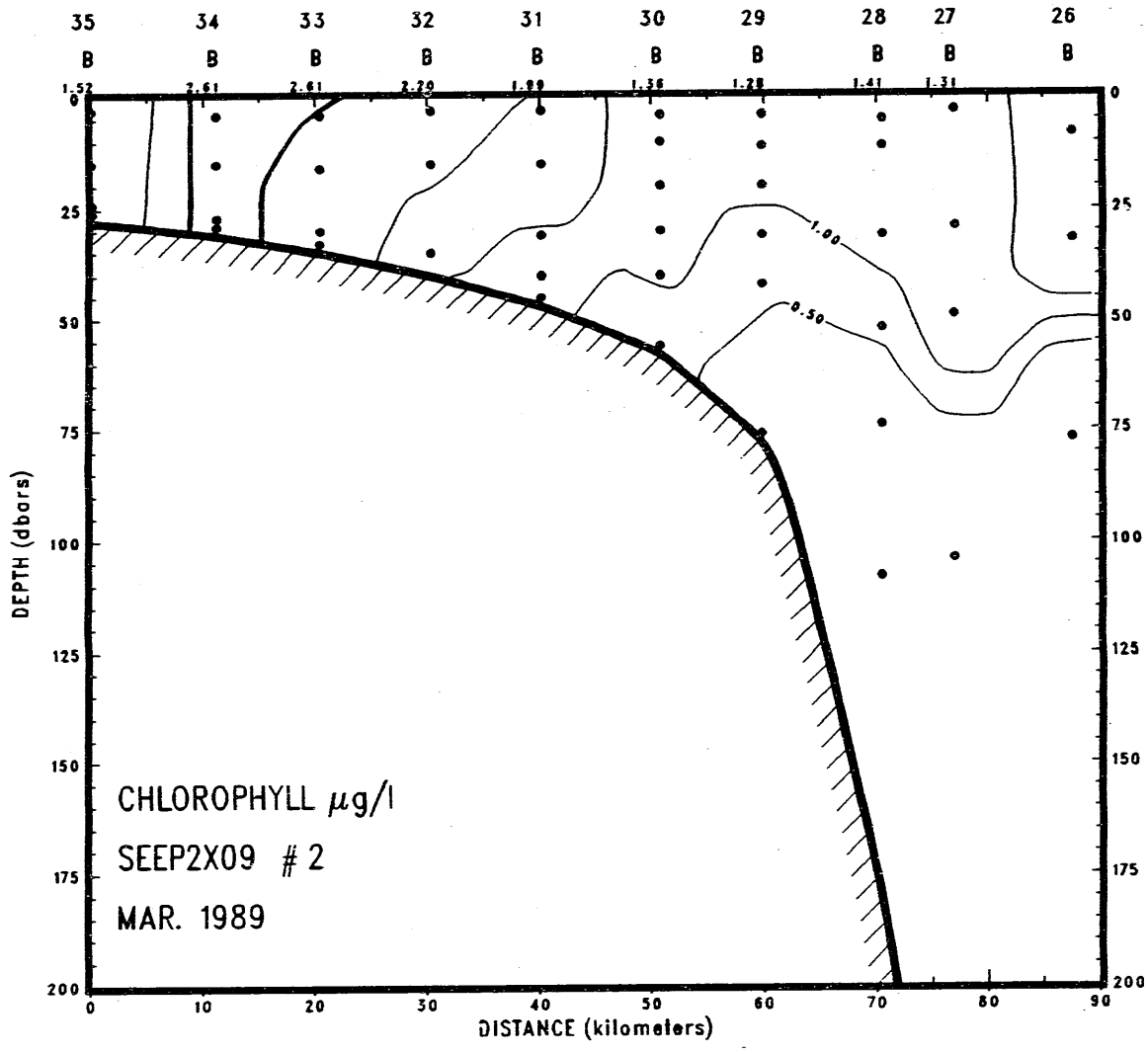

PHOSPHATE μmole/l
SEEP2X09 # 2
MAR. 1989
DEPTH (dbars)
DISTANCE (kilometers)
0.80
1.00
1.10

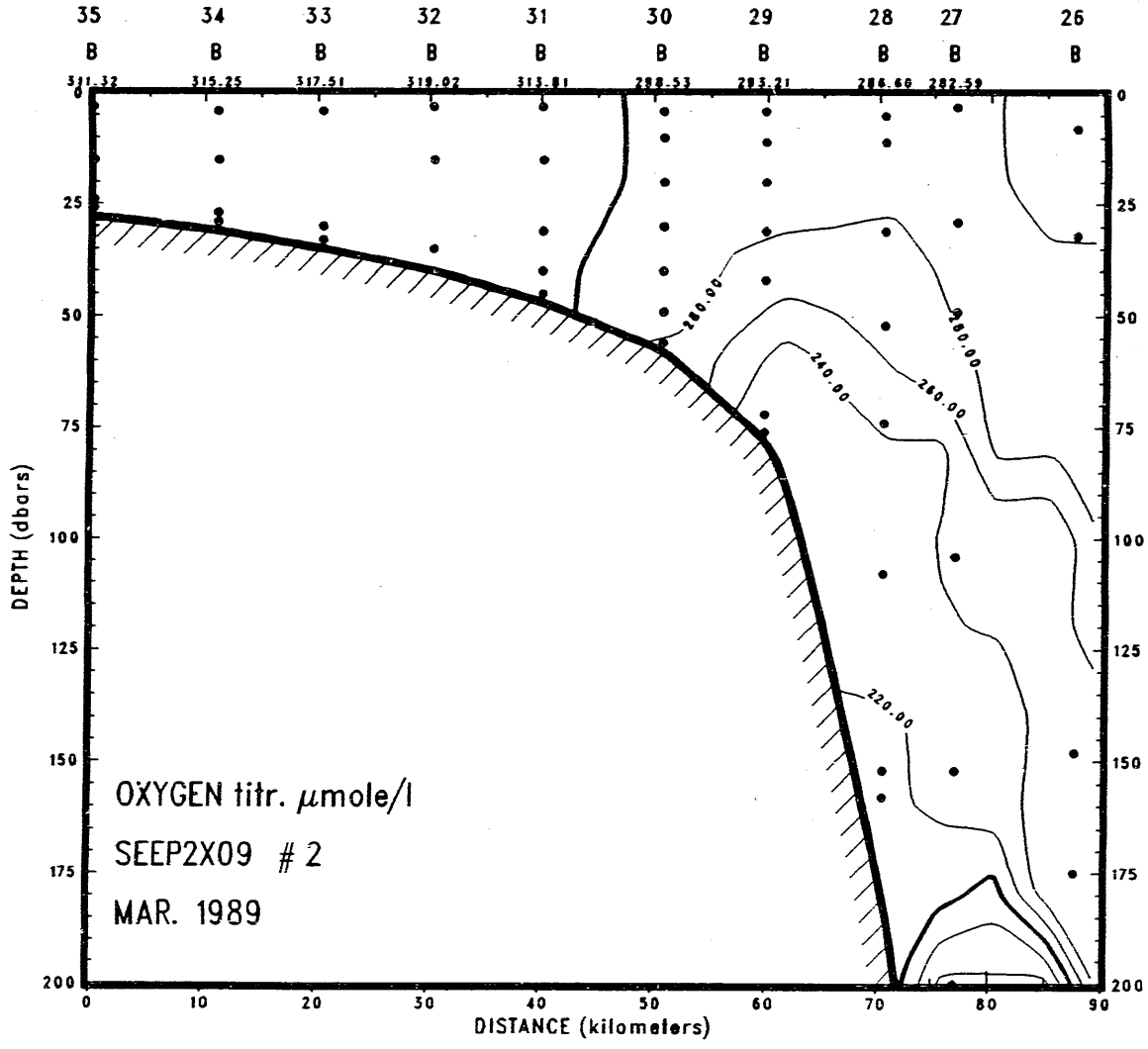

SILICATE μmole/l
SEEP2X09 #2
MAR. 1989
DEPTH (dbars)
DISTANCE (kilometers)
2.00
4.00
4.00
8.00


NITRATE µmole/l
SEEP2X09 # 2
MAR. 1989
DEPTH (dbars)
DISTANCE (kilometers)
12.00
10.00
8.00
6.00
2.00
.00


35 34 33 32 31 30 29 28 27 26
B B B B B B B B B B
0.13 0.14 0.15 0.21 0.28 0.41 0.53 0.36 0.36
0 25 50 75 100 125 150 175 200
DEPTH (dbars)
0.45
0.35
0.30
0.25
0.20
0.15
NITRITE μmole/l
SEEP2X09 # 2
MAR. 1989
0 10 20 30 40 50 60 70 80 90
DISTANCE (kilometers)


AMMONIUM μmole/l
SEEP2X09 # 2
MAR. 1989
DEPTH (dbars)
DISTANCE (kilometers)
0.10
0.30
0.50


35 34 33 32 31 30 29 28 27 26
B B B B B B B B B B
1.52 2.61 2.61 2.29 1.99 1.35 1.28 1.41 1.31
1.00
0.50
DEPTH (dbars)
0 25 50 75 100 125 150 175 200
0 10 20 30 40 50 60 70 80 90
DISTANCE (kilometers)
CHLOROPHYLL μg/l
SEEP2X09 # 2
MAR. 1989


35 B
34 B
33 B
32 B
31 B
30 B
29 B
28 B
27 B
26 B
311.32
315.25
317.51
319.02
313.81
288.53
283.21
286.60
282.59
DEPTH (dbars)
0
25
50
75
100
125
150
175
200
240.00
260.00
280.00
220.00
OXYGEN titr. μmole/l
SEEP2X09 # 2
MAR. 1989
0
10
20
30
40
50
60
70
80
90
DISTANCE (kilometers)

SEEP2-09 Transect 3

Baltimore Canyon

CONTOURED CROSS-SECTIONS

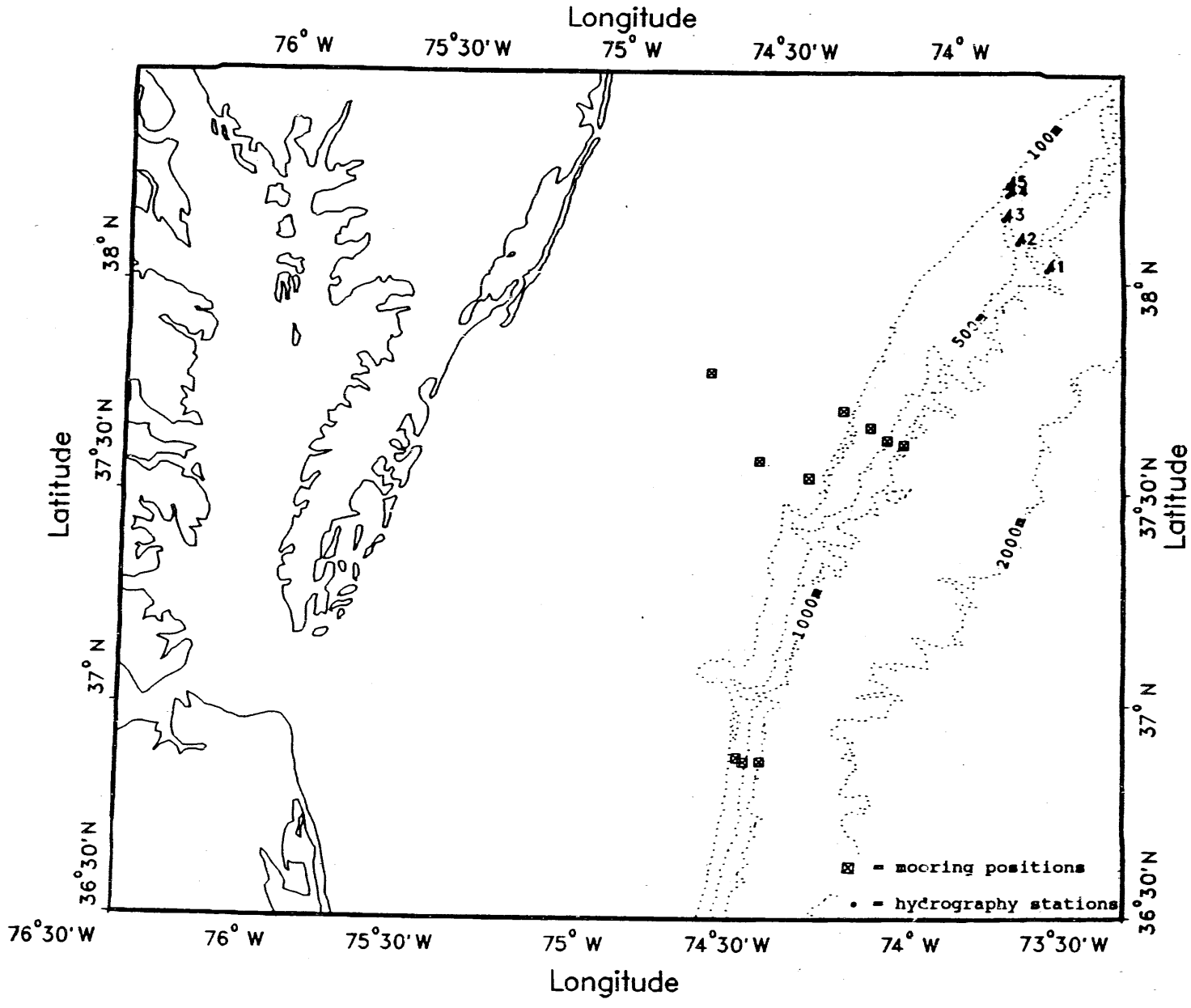
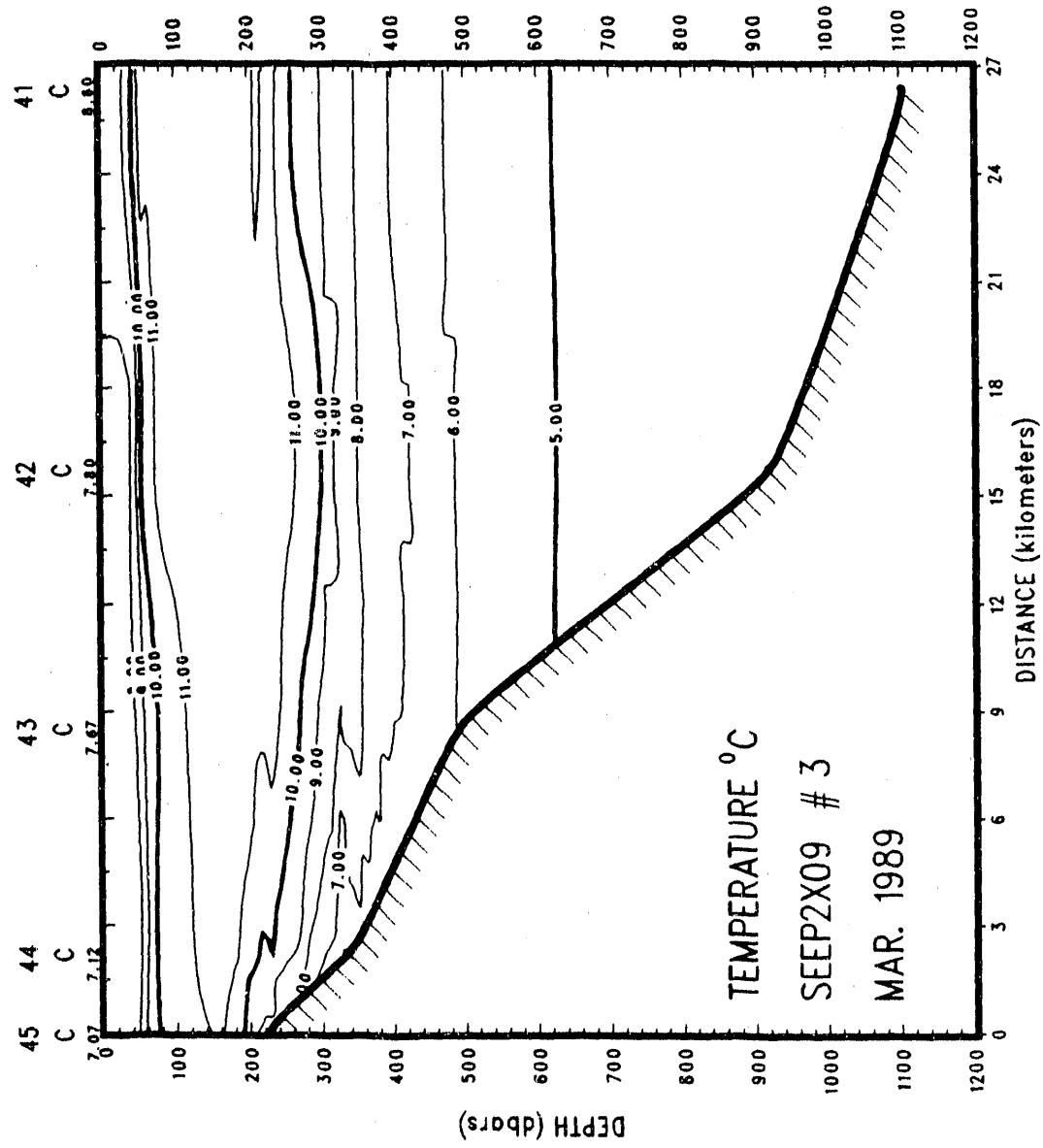
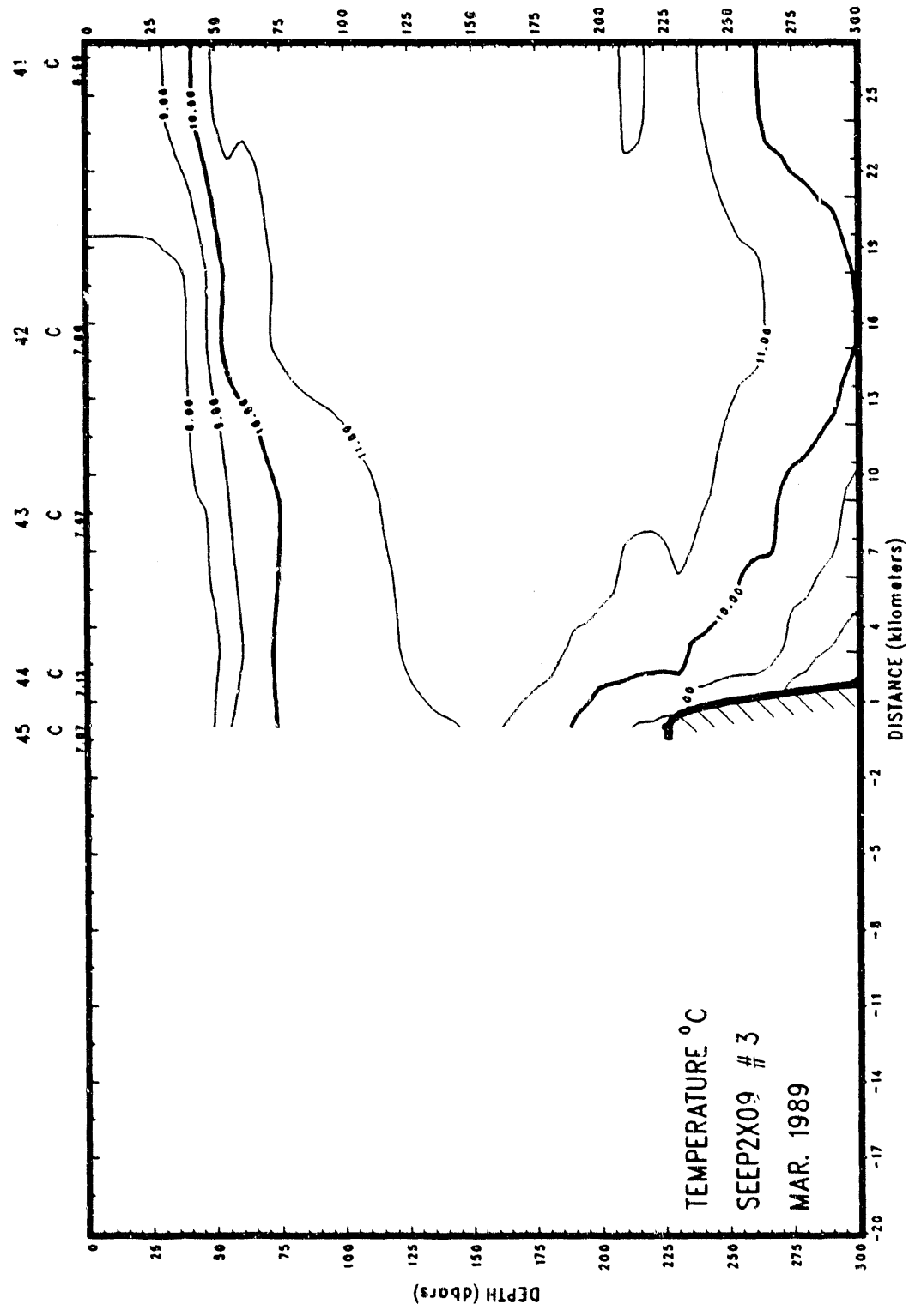
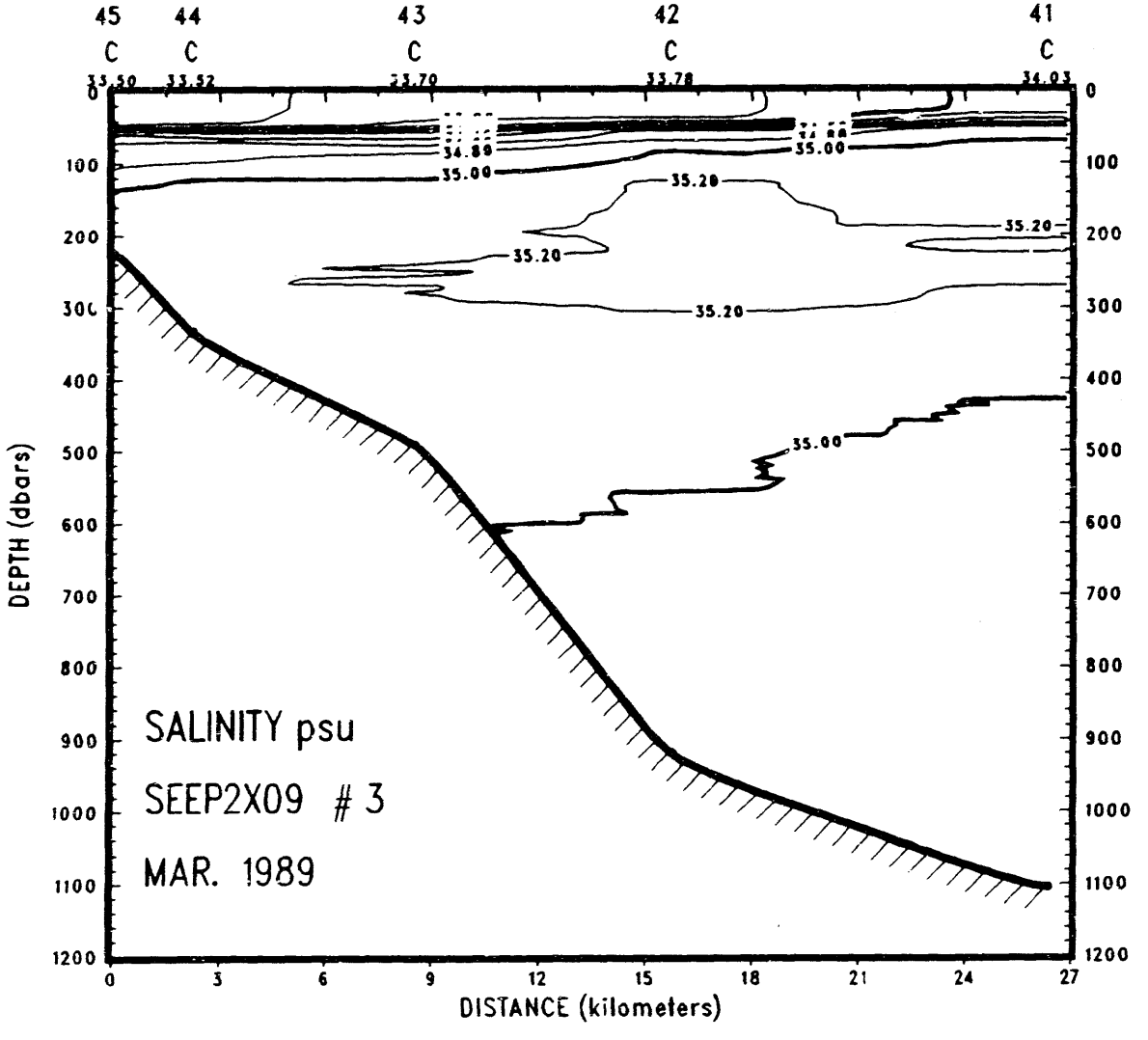
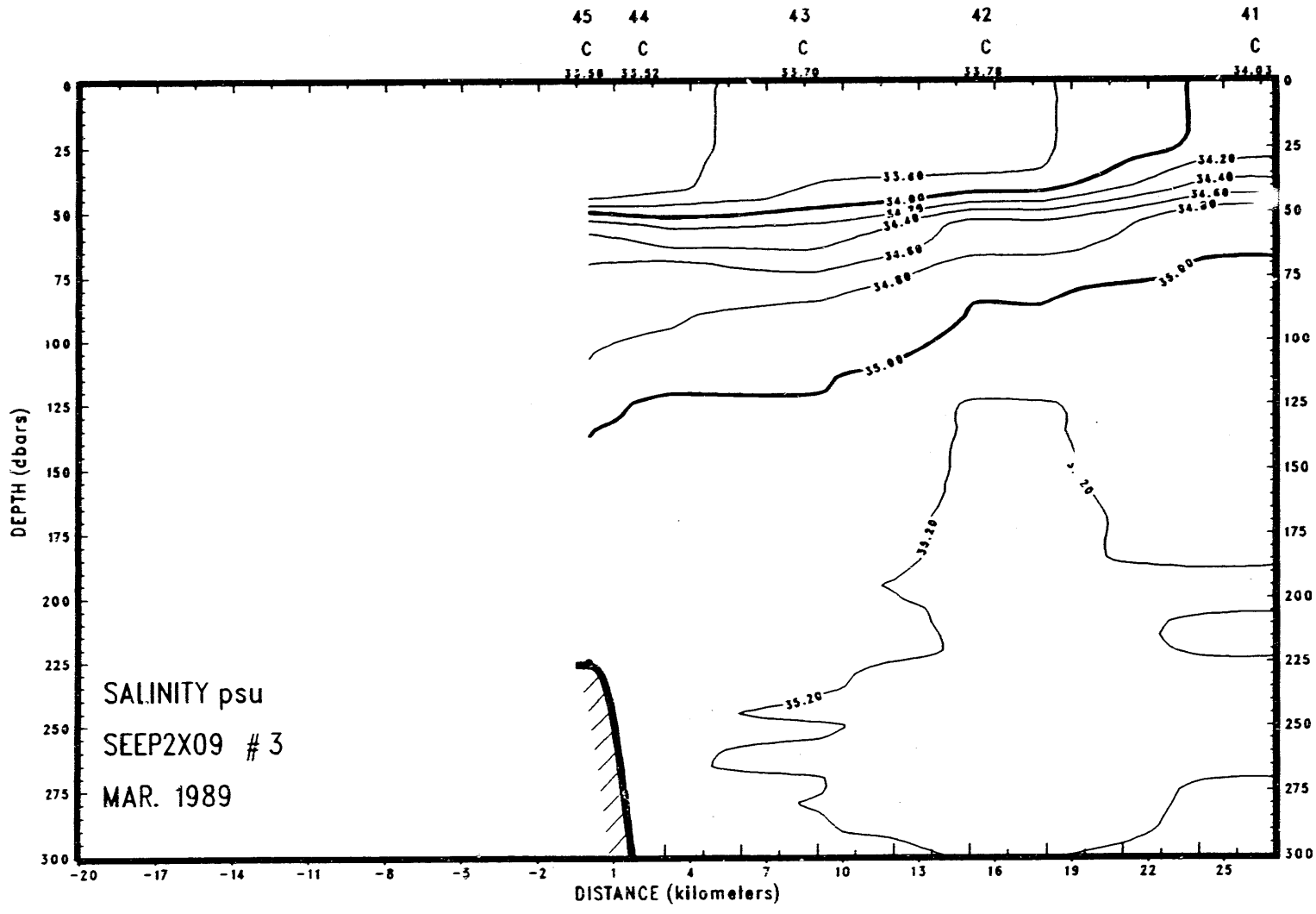


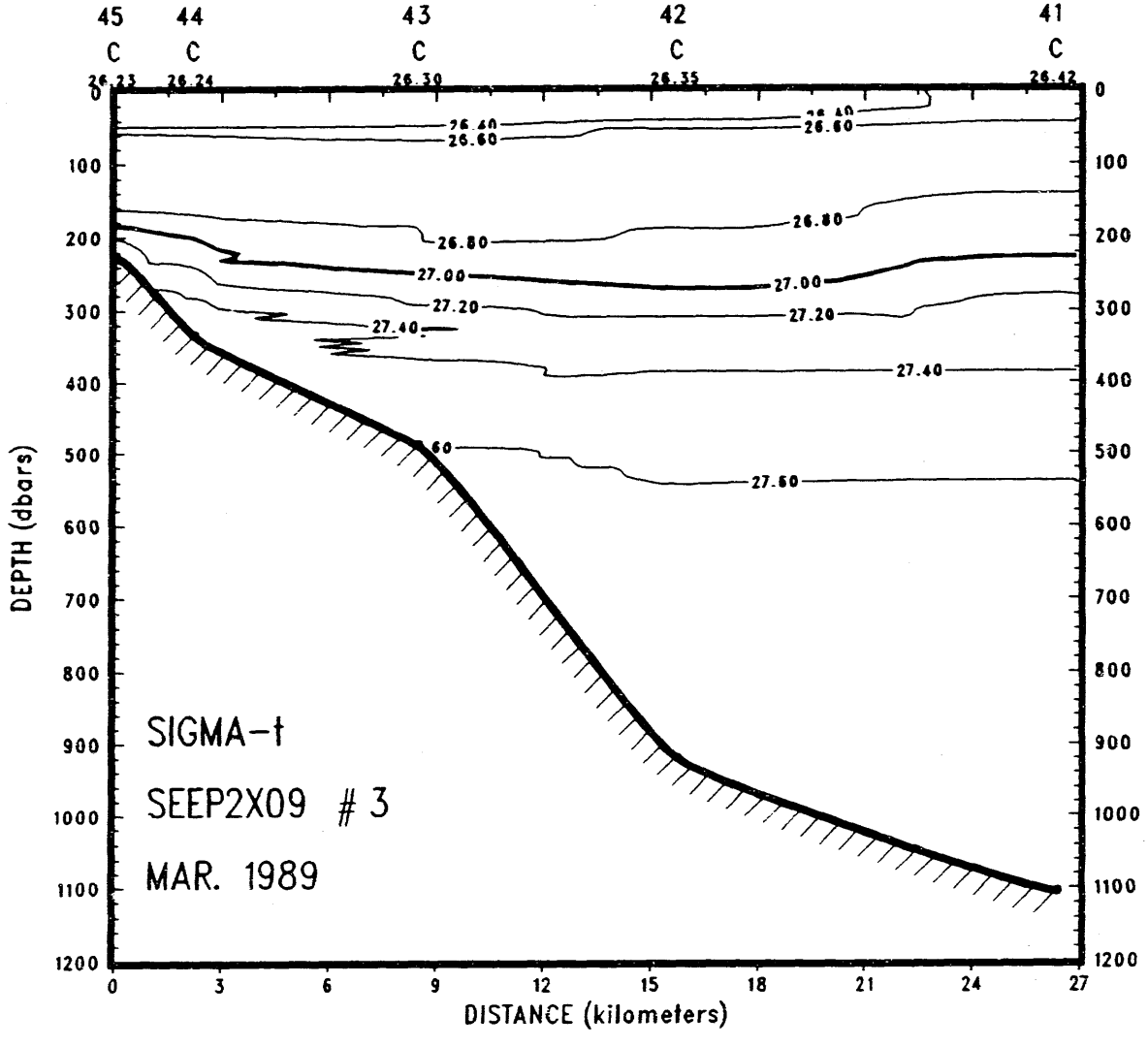
Figure 5. Baltimore Canyon (Transect 3) map

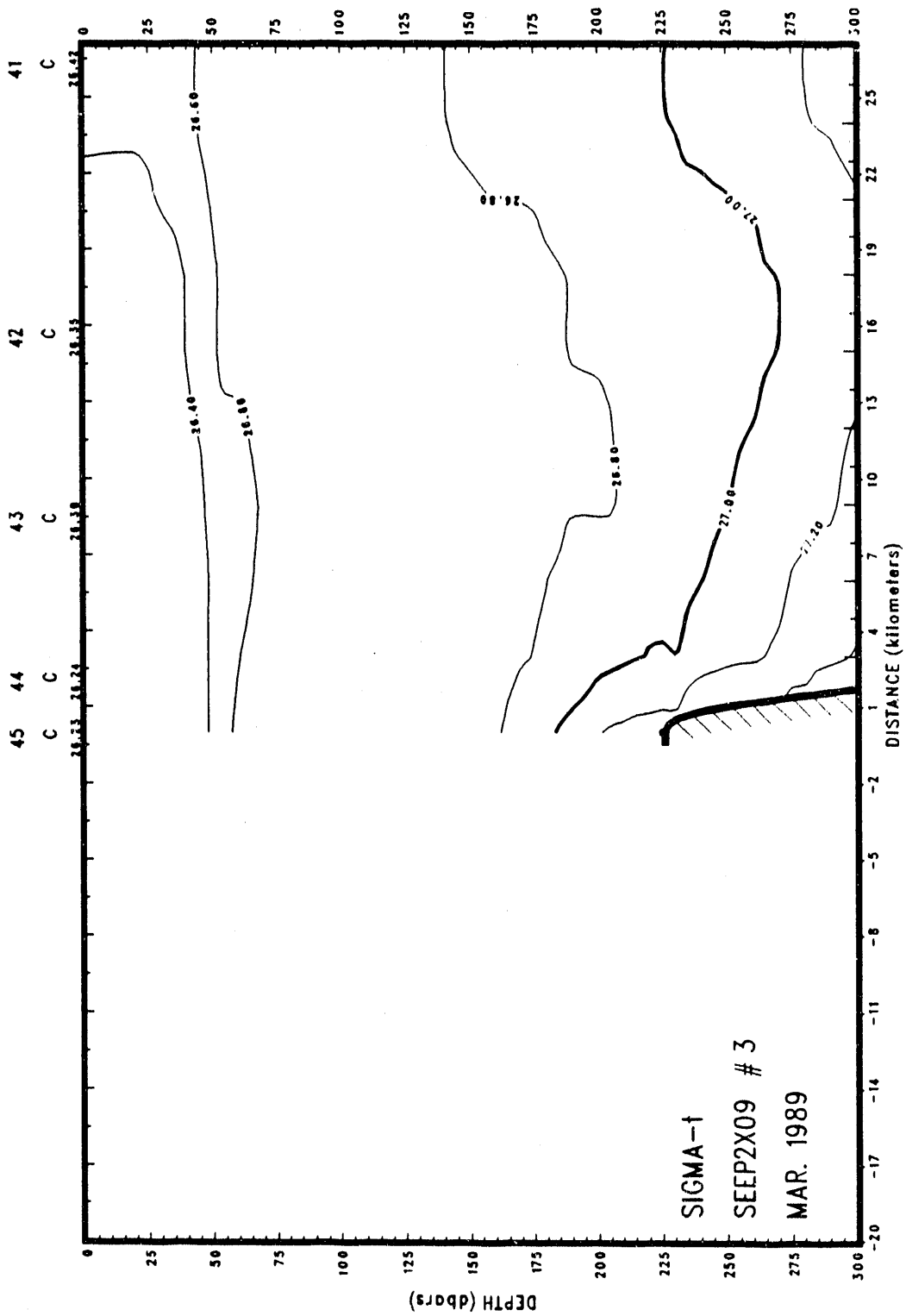

TEMPERATURE °C
SEEP2X09 # 3
MAR. 1989
DEPTH (dbars)
DISTANCE (kilometers)
45 C
44 C
43 C
42 C
41 C
11.00
10.00
9.00
8.00
7.00
6.00
5.00

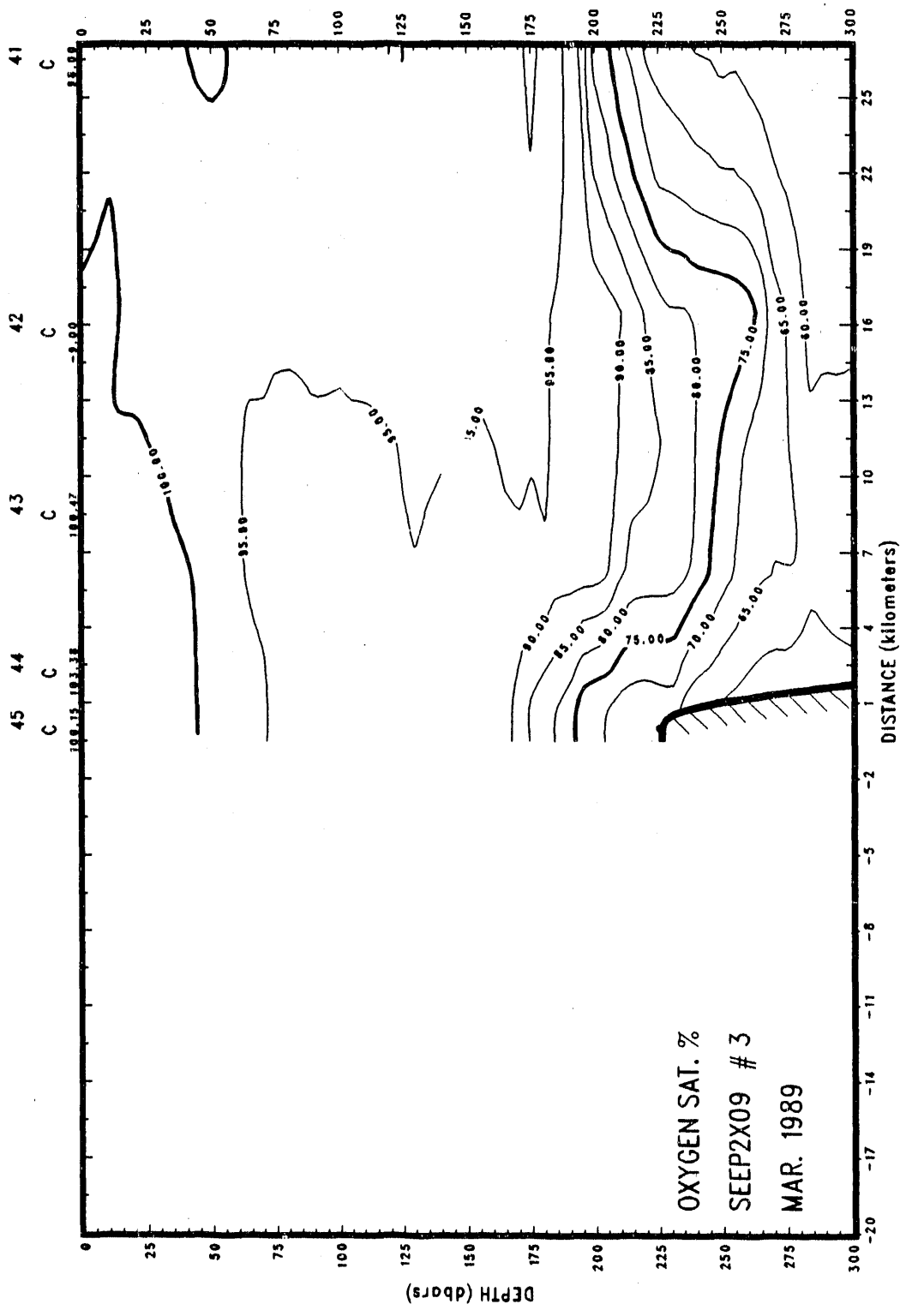

TEMPERATURE °C
SEEP2X09 # 3
MAR. 1989
DEPTH (dbars)
DISTANCE (kilometers)
41 C
42 C
43 C
44 C C
45 C

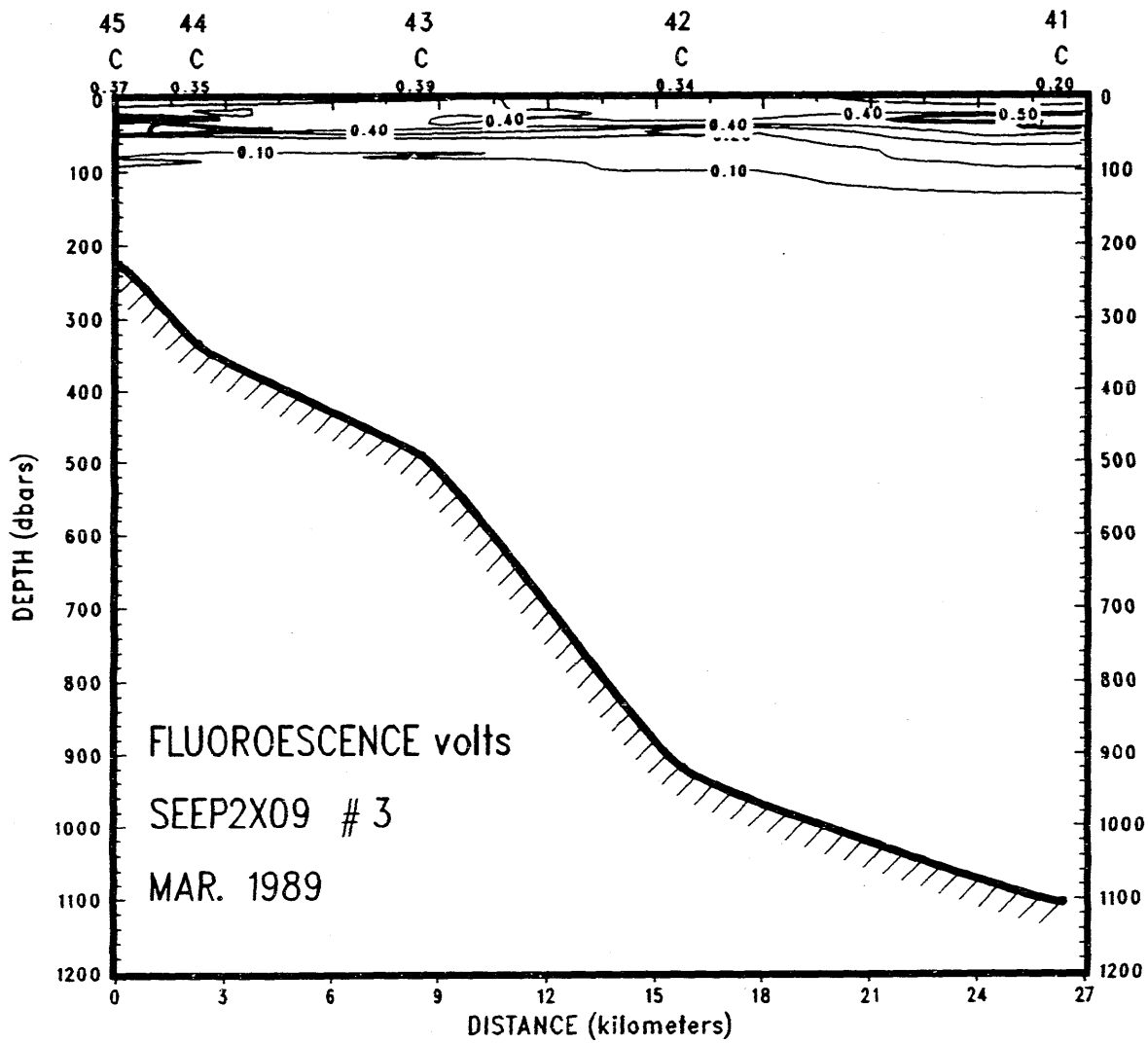

45
C
44
C
43
C
42
C
41
C
33.50
33.52
33.70
33.78
34.03
34.80
35.00
35.20
35.00
35.20
35.20
35.00
SALINITY psu
SEEP2X09 # 3
MAR. 1989
DEPTH (dbars)
DISTANCE (kilometers)
0
100
200
300
400
500
600
700
800
900
1000
1100
1200
0
3
6
9
12
15
18
21
24
27

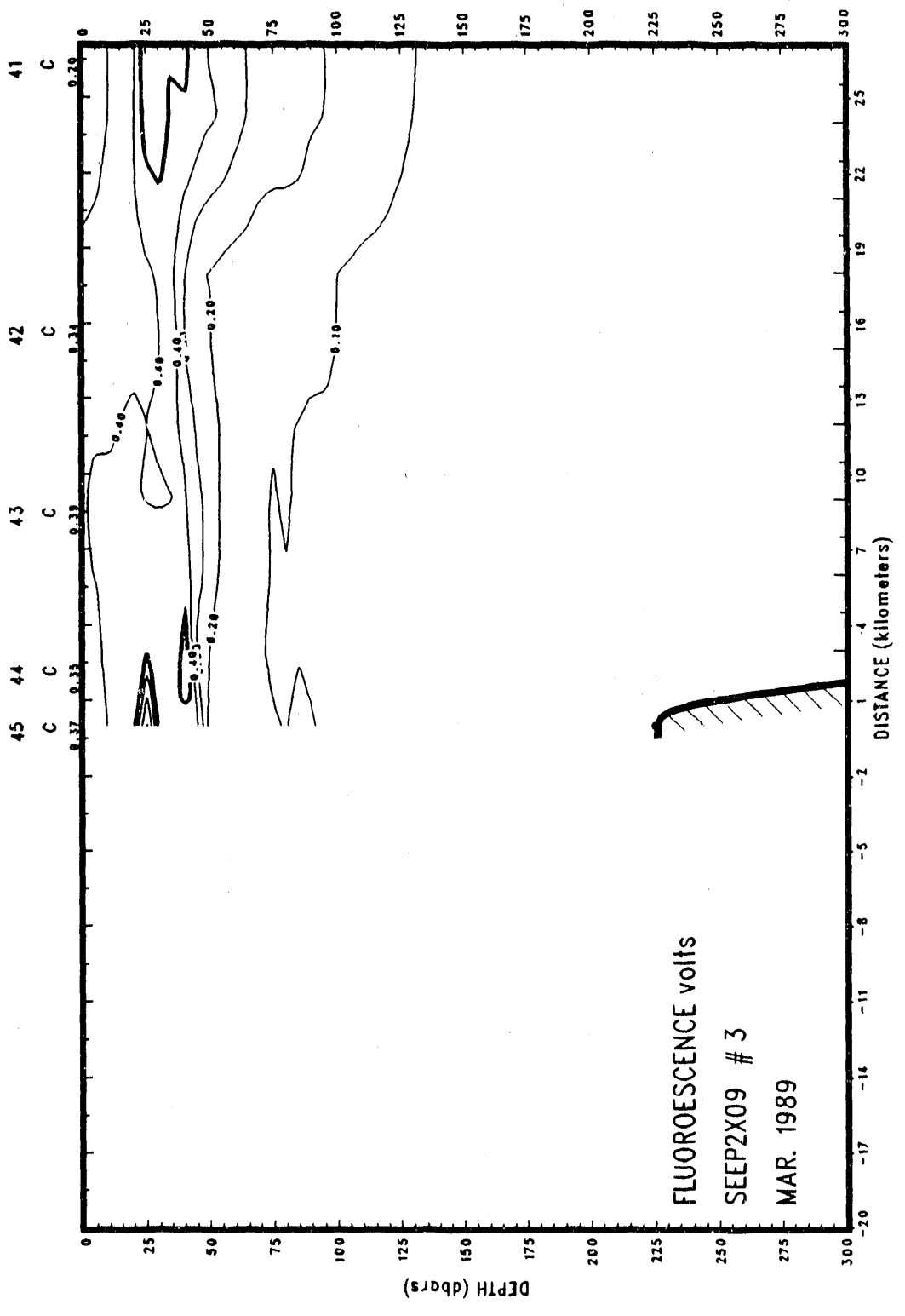

45 C 32.58
44 C 33.52
43 C 33.79
42 C 33.78
41 C 34.03
33.60
34.00
34.20
34.40
34.60
34.80
35.00
35.20
SALINITY psu
SEEP2X09 # 3
MAR. 1989
DEPTH (dbars)
DISTANCE (kilometers)

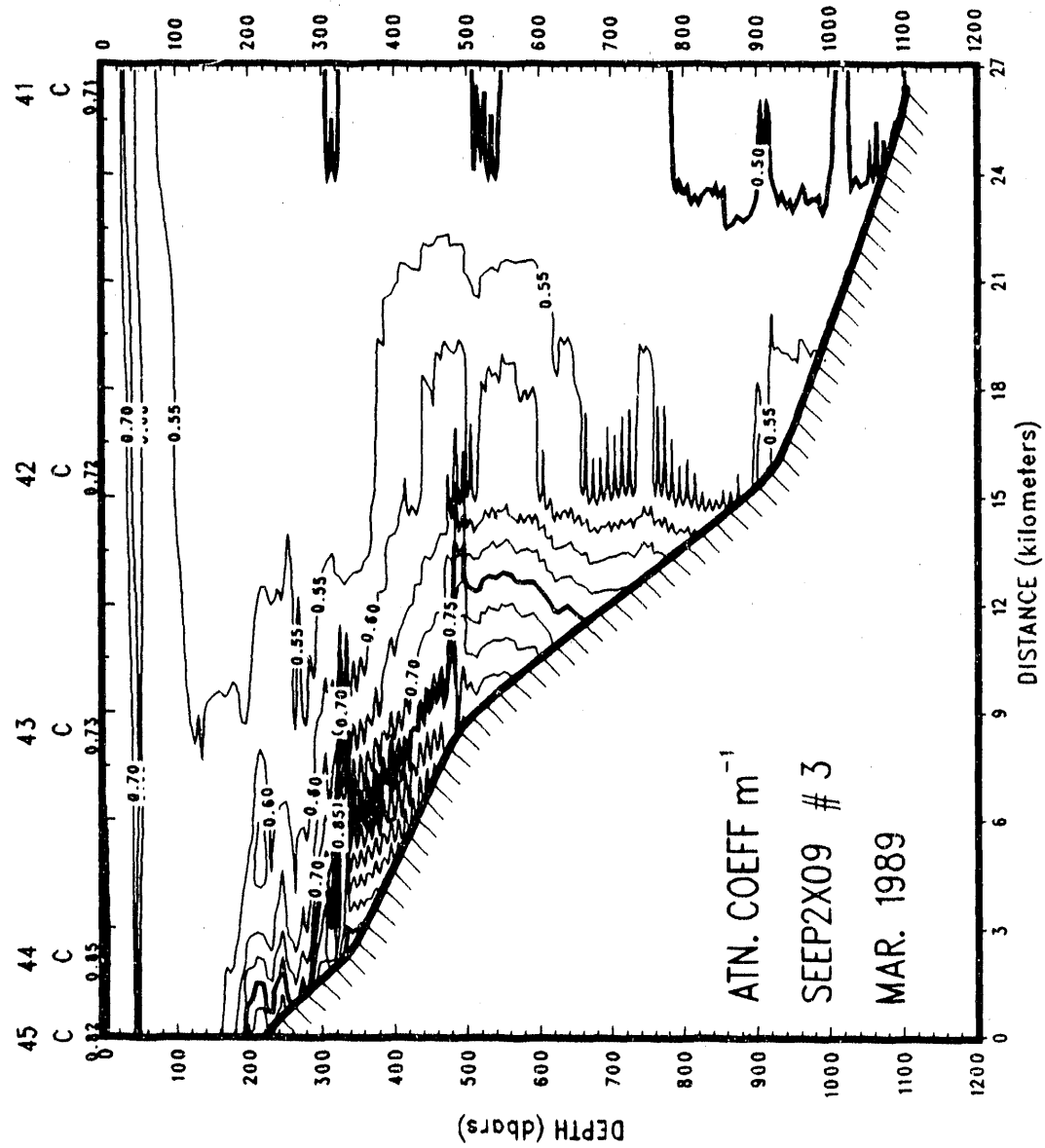

45 C
44 C
43 C
42 C
41 C
26.23
26.24
26.30
26.35
26.42
26.40
26.60
26.80
27.00
27.20
27.40
27.60
DEPTH (dbars)
DISTANCE (kilometers)
SIGMA-t
SEEP2X09 # 3
MAR. 1989

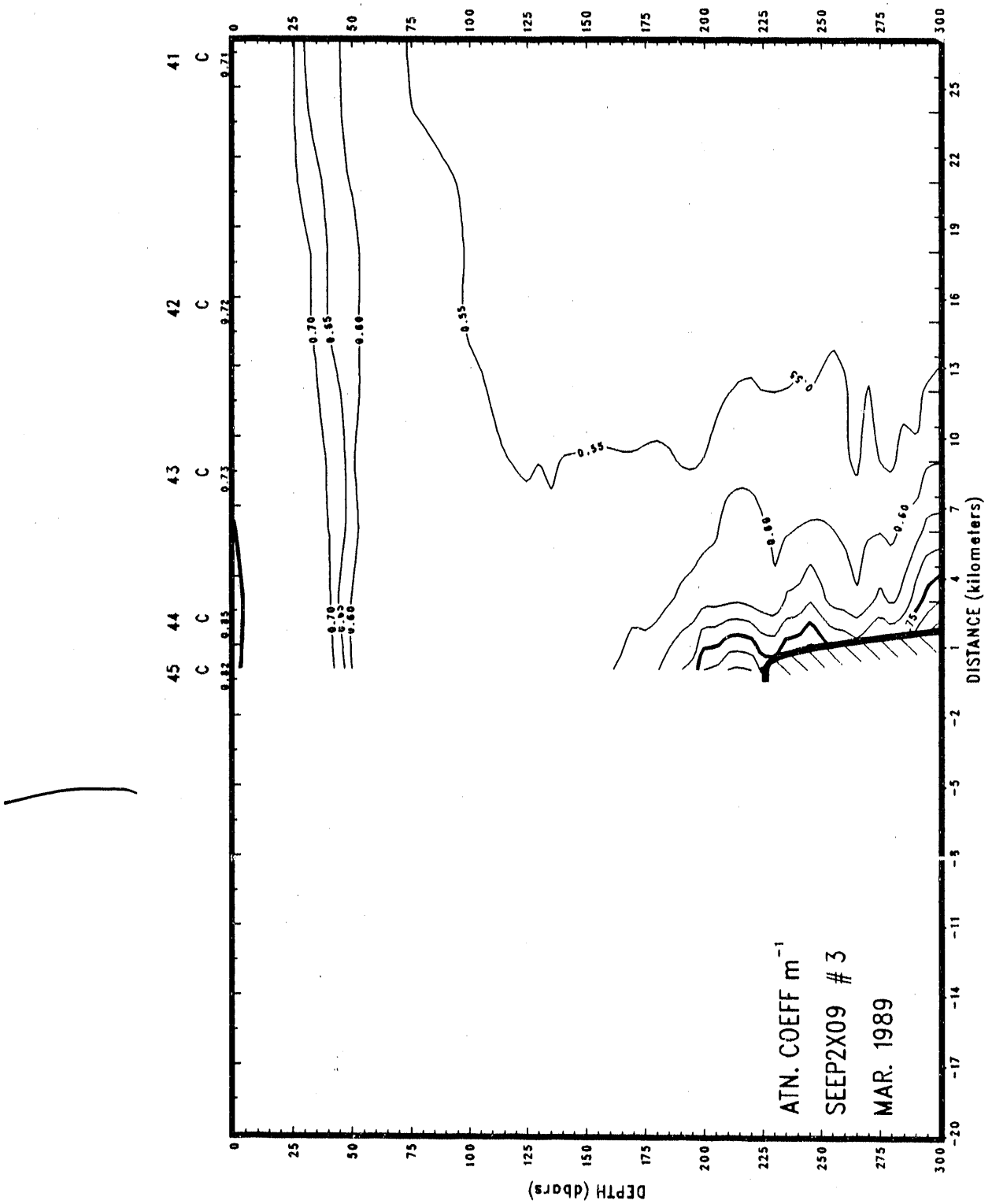

SIGMA-t
SEEP2X09 #3
MAR. 1989
DEPTH (dbars)
DISTANCE (kilometers)

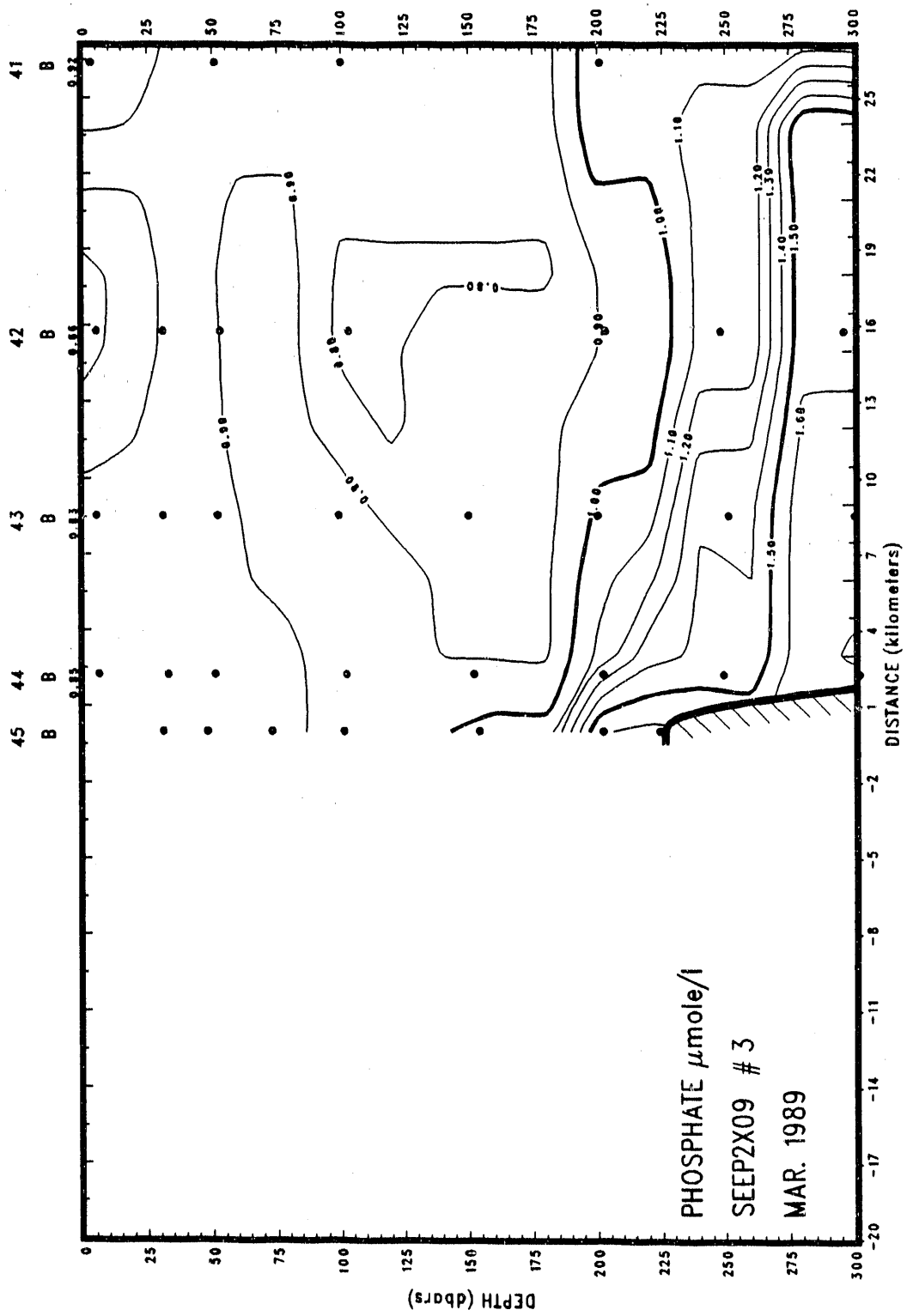

OXYGEN SAT. %
SEEP2X09 #3
MAR. 1989
DEPTH (dbars)
DISTANCE (kilometers)

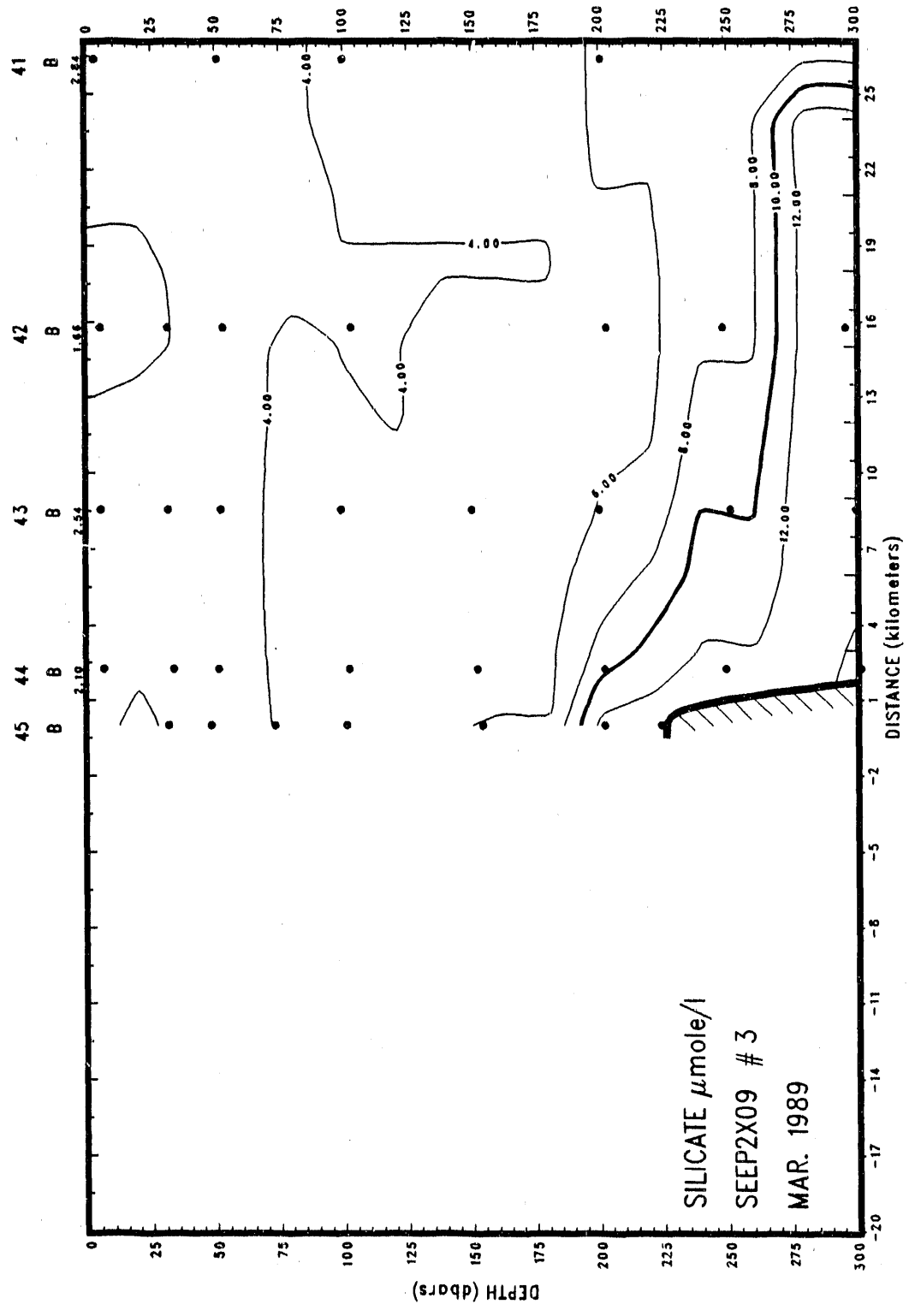

45 C
44 C
43 C
42 C
41 C
0.37
0.35
0.39
0.34
0.29
0.40
0.40
0.40
0.40
0.50
0.10
0.10
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
900
1000
1100
1200
FLUOROESCENCE volts
SEEP2X09 # 3
MAR. 1989
0
3
6
9
12
15
18
21
24
27
DISTANCE (kilometers)

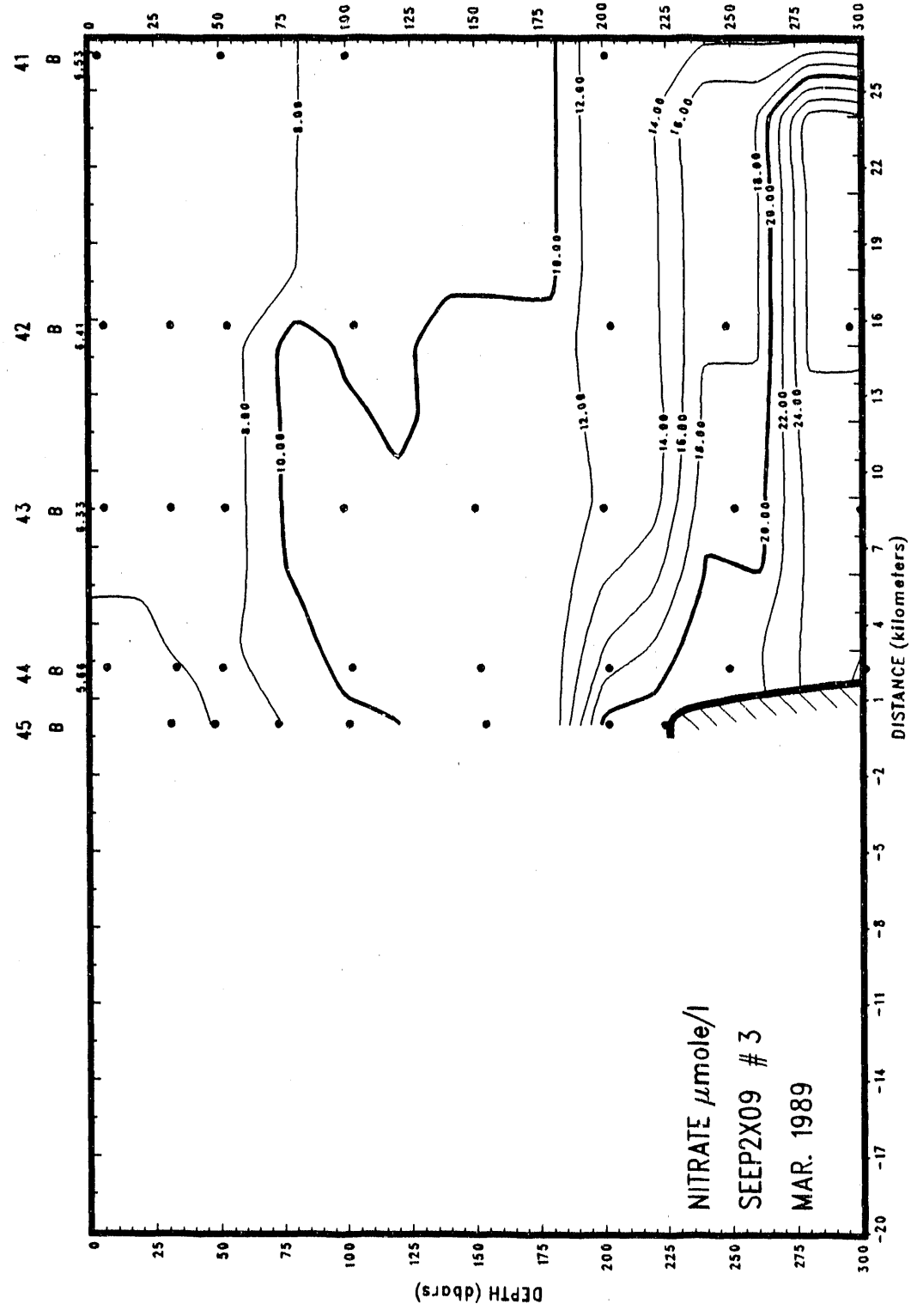

FLUOROESCENCE volts
SEEP2X09 #3
MAR. 1989
DEPTH (dbars)
DISTANCE (kilometers)
41
42
43
44
45
0.40
0.20
0.10

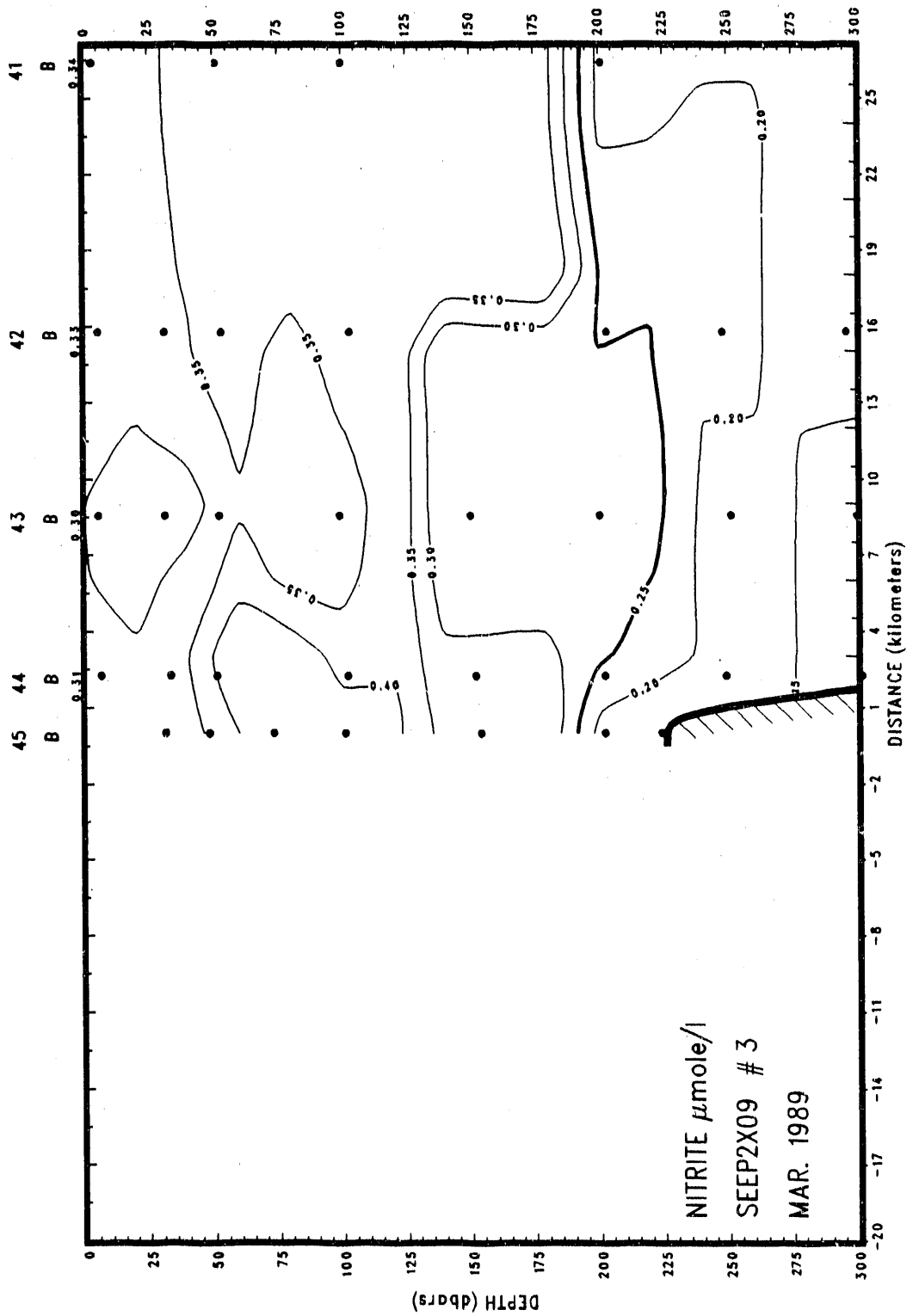

ATN. COEFF m^{-1}
SEEP2X09 #3
MAR. 1989
DEPTH (dbars)
DISTANCE (kilometers)

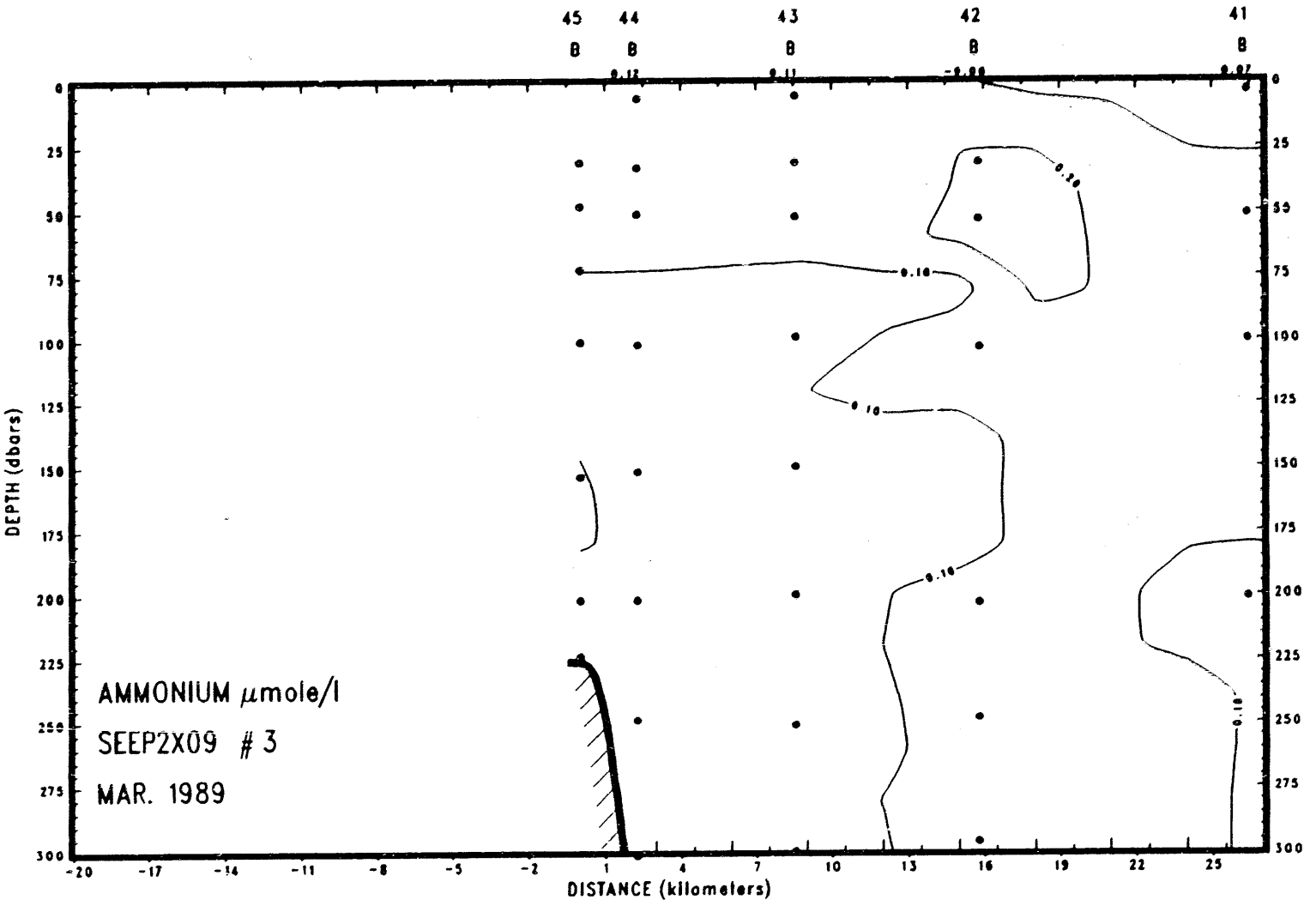

ATN. COEFF m^{-1}
SEEP2X09 #3
MAR. 1989
DEPTH (dbars)
DISTANCE (kilometers)
0.70
0.65
0.60
0.55
0.50
0.60
0.75

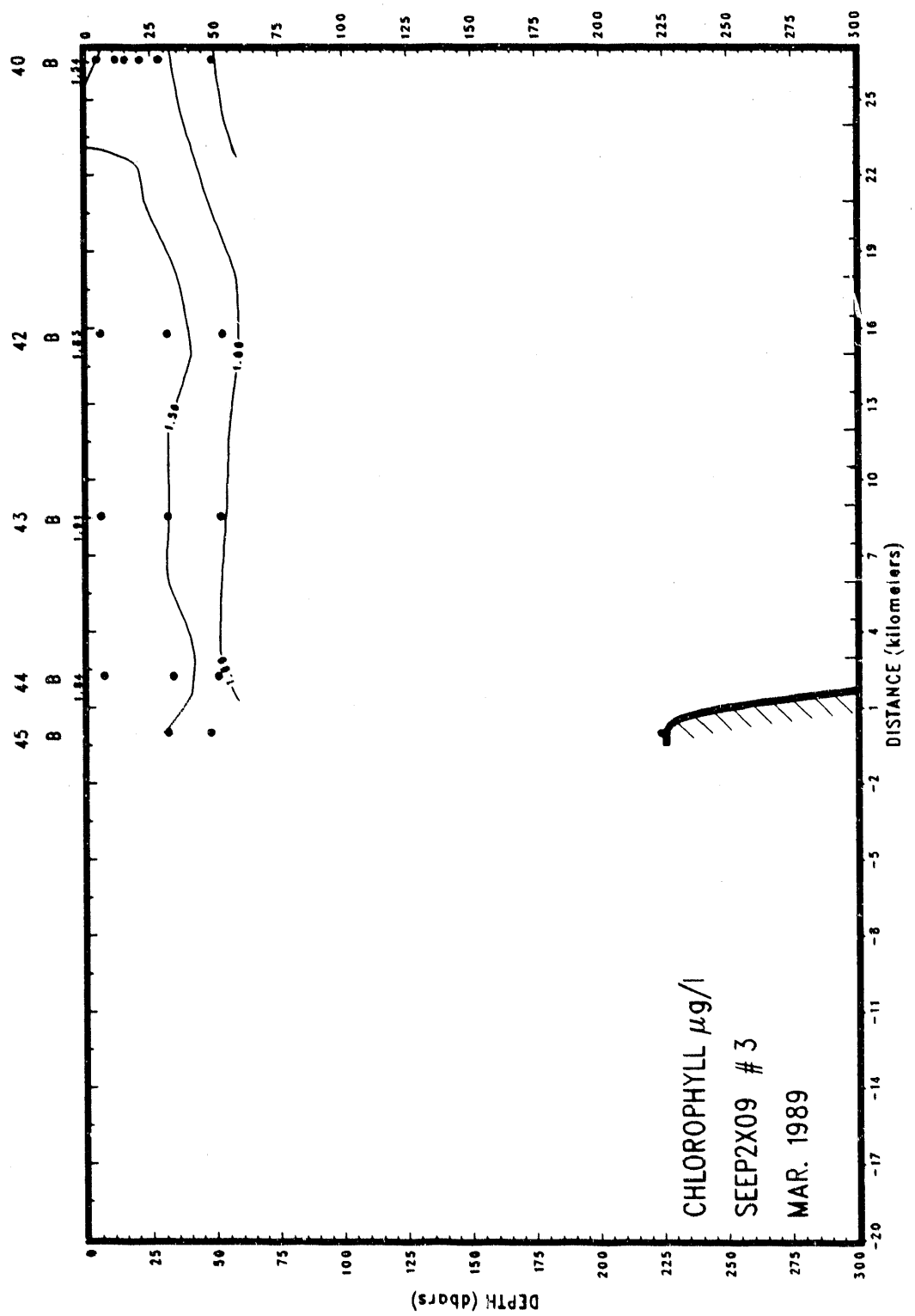

PHOSPHATE µmole/l
SEEP2X09 #3
MAR. 1989
DEPTH (dbars)
DISTANCE (kilometers)

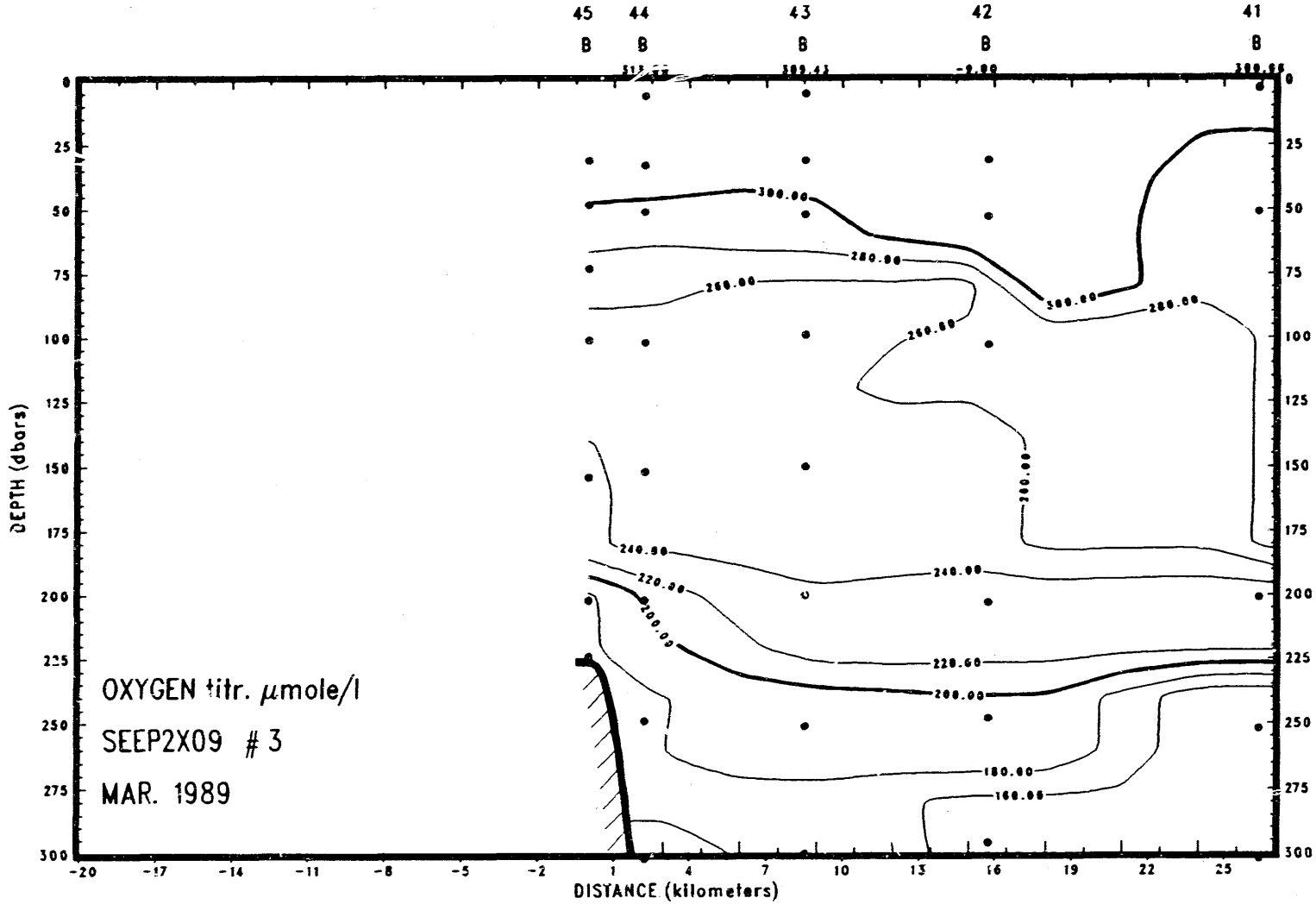

SILICATE μmole/l
SEEP2X09 #3
MAR. 1989
DEPTH (dbars)
DISTANCE (kilometers)
4.00
6.00
8.00
10.00
12.00


NITRATE μmole/l
SEEP2X09 #3
MAR. 1989
DEPTH (dbars)
DISTANCE (kilometers)
41 B
42 B
43 B
44 B
45 B
4.53
4.41
4.33
4.18
8.00
10.00
12.00
14.00
16.00
18.00
20.00
22.00
24.00


NITRITE µmole/l
SEEP2X09 #3
MAR. 1989
DEPTH (dbars)
DISTANCE (kilometers)
41 B
42 B
43 B
44 B
45 B
0.35
0.30
0.25
0.20
0.40


45 B
44 B
43 B
42 B
41 B
0.12
0.11
-0.00
0.07
0.20
0.10
0.10
0.10
0.10
DEPTH (dbars)
0
25
50
75
100
125
150
175
200
225
250
275
300
-20
-17
-14
-11
-8
-5
-2
1
4
7
10
13
16
19
22
25
DISTANCE (kilometers)
AMMONIUM μmole/l
SEEP2X09 # 3
MAR. 1989


CHLOROPHYLL µg/l
SEEP2X09 # 3
MAR. 1989
DEPTH (dbars)
DISTANCE (kilometers)


45 B
44 B
43 B
42 B
41 B
DEPTH (dbars)
DISTANCE (kilometers)
OXYGEN titr. μmole/l
SEEP2X09 # 3
MAR. 1989
300.00
280.00
260.00
240.00
220.00
200.00
180.00
160.00

SEEP2-09

CTD DATA

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
1	17 MAR 89	1451	37 43.31	74 44.35	43	41

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
3	5.570	30.637	24.156	-------	------	.984
4	5.552	32.631	25.735	342.89	------	.983
5	5.560	32.728	25.811	339.26	------	.994
6	5.507	32.750	25.834	343.24	------	1.024
7	5.473	32.770	25.854	335.28	------	1.040
8	5.456	32.790	25.871	336.94	------	1.034
9	5.452	32.809	25.887	337.43	------	1.034
10	5.445	32.825	25.901	339.71	------	1.029
11	5.437	32.841	25.914	342.03	------	1.027
12	5.447	32.858	25.926	344.58	------	1.029
13	5.501	32.888	25.944	341.29	------	1.009
14	5.504	32.904	25.957	340.70	------	1.011
15	5.566	32.949	25.984	333.02	------	.977
16	5.613	32.962	25.990	337.83	------	1.010
17	5.679	33.013	26.021	335.20	------	.984
18	5.860	33.067	26.043	336.27	------	.974
19	5.886	33.076	26.047	334.96	------	.952
20	5.974	33.119	26.070	336.47	------	.942
21	5.884	33.122	26.083	335.33	------	.909
22	5.816	33.157	26.119	333.42	------	.878
23	5.784	33.206	26.162	328.37	------	.850
24	5.788	33.232	26.182	332.22	------	.823
25	5.841	33.284	26.217	336.93	------	.806
26	6.054	33.385	26.270	331.47	------	.788
27	6.330	33.466	26.299	328.02	------	.770
28	6.451	33.502	26.312	325.03	------	.763
29	6.462	33.530	26.332	322.63	------	.757
30	6.499	33.544	26.339	320.61	------	.750
31	6.525	33.553	26.343	320.77	------	.745
32	6.538	33.558	26.345	324.66	------	.746
33	6.539	33.561	26.347	322.45	------	.744
34	6.543	33.565	26.350	323.11	------	.743
35	6.550	33.569	26.352	318.59	------	.739
36	6.554	33.573	26.355	319.14	------	.742
37	6.559	33.577	26.357	321.10	------	.735
38	6.566	33.582	26.360	318.23	------	.723
39	6.573	33.585	26.362	326.75	------	.719
40	6.574	33.588	26.364	336.17	------	.717
41	6.575	33.592	26.367	330.41	------	.717

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
2	17 MAR 89	1746	38 0.00	75 .03	14	12

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
1	4.919	32.463	25.673	-------	------	1.259
2	4.871	32.434	25.656	352.45	------	1.264
3	4.963	32.452	25.660	342.22	------	1.244
4	4.948	32.444	25.655	344.74	------	1.245
5	4.948	32.446	25.657	345.61	------	1.247
6	4.955	32.449	25.659	340.98	------	1.248
7	4.751	32.428	25.663	337.52	------	1.100
8	4.596	32.454	25.701	337.73	------	1.031
9	4.464	32.445	25.707	336.69	------	1.208
10	4.426	32.460	25.724	340.11	------	1.379
11	4.439	32.479	25.737	343.28	------	1.276
12	4.448	32.482	25.738	341.78	------	1.506
13	4.450	32.483	25.739	341.92	------	1.512

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
3	17 MAR 89	1925	37 56.51	74 51.99	29	27

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	4.917	32.719	25.876	-------	------	1.103
3	5.052	32.695	25.843	-------	------	1.095
4	5.146	32.709	25.843	340.45	------	1.077
5	5.135	32.715	25.849	335.99	------	1.086
6	5.198	32.705	25.834	331.26	------	1.090
7	4.904	32.680	25.847	340.30	------	1.110
8	4.786	32.714	25.887	337.10	------	1.105
9	4.763	32.720	25.894	335.22	------	1.097
10	4.750	32.725	25.899	336.43	------	1.100
11	4.741	32.728	25.903	330.32	------	1.087
12	4.728	32.733	25.908	330.76	------	1.072
13	4.714	32.739	25.914	330.05	------	1.055
14	4.712	32.740	25.916	346.05	------	1.064
15	4.709	32.742	25.917	344.17	------	1.040
16	4.699	32.745	25.921	345.96	------	1.025
17	4.685	32.746	25.923	348.04	------	1.002
18	4.672	32.750	25.928	342.57	------	.999
19	4.669	32.759	25.935	346.66	------	1.010
20	4.701	32.798	25.963	345.75	------	.982
21	4.729	32.836	25.990	351.83	------	.982
22	4.757	32.861	26.006	354.17	------	.975
23	4.777	32.882	26.021	349.46	------	.960
24	4.795	32.894	26.029	342.36	------	.963
25	4.832	32.924	26.048	334.94	------	.972
26	4.911	32.966	26.073	344.55	------	1.001
27	4.923	32.970	26.075	347.60	------	1.010

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
4	17 MAR 89	2100	37 52.18	74 44.06	42	40

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
1	6.918	33.046	25.891	-------	------	.986
2	6.783	33.122	25.969	-------	------	.990
3	6.685	33.140	25.996	323.83	------	1.014
4	6.650	33.163	26.019	326.64	------	1.051
5	6.312	33.151	26.053	329.20	------	1.154
6	6.168	33.232	26.135	326.89	------	1.208
7	6.146	33.263	26.162	330.55	------	1.197
8	6.155	33.273	26.169	326.26	------	1.172
9	6.224	33.319	26.196	324.23	------	1.140
10	6.349	33.353	26.207	324.92	------	1.117
11	6.360	33.346	26.201	323.86	------	1.081
12	6.386	33.375	26.220	318.73	------	1.048
13	6.479	33.398	26.226	313.59	------	1.021
14	6.511	33.411	26.233	310.94	------	1.001
15	6.505	33.414	26.236	315.33	------	.971
16	6.497	33.420	26.241	309.47	------	.956
17	6.447	33.431	26.257	317.99	------	.914
18	6.366	33.493	26.315	319.28	------	.867
19	6.396	33.540	26.349	315.05	------	.843
20	6.451	33.572	26.367	314.87	------	.814
21	6.486	33.587	26.374	316.90	------	.792
22	6.478	33.600	26.385	315.87	------	.770
23	6.448	33.608	26.396	312.91	------	.742
24	6.440	33.609	26.398	310.96	------	.730
25	6.435	33.611	26.400	309.87	------	.722
26	6.434	33.611	26.400	304.98	------	.717
27	6.434	33.612	26.401	310.29	------	.717
28	6.434	33.612	26.401	309.56	------	.713
29	6.436	33.612	26.401	313.53	------	.711
30	6.440	33.612	26.400	314.11	------	.708
31	6.442	33.613	26.400	312.20	------	.708
32	6.441	33.613	26.401	307.99	------	.712
33	6.440	33.613	26.401	309.28	------	.707
34	6.442	33.612	26.400	309.52	------	.707
35	6.444	33.614	26.401	312.58	------	.705
36	6.447	33.614	26.401	313.91	------	.708
37	6.447	33.615	26.402	310.83	------	.706
38	6.449	33.615	26.401	317.05	------	.706
39	6.447	33.614	26.401	321.92	------	.706
40	6.449	33.615	26.401	325.71	------	.705
41	6.451	33.616	26.402	323.63	------	.706

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
5	17 MAR 89	2216	37 49.59	74 37.35	51	49

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
1	7.966	33.563	26.151	-------	------	.839
2	7.951	33.563	26.153	334.11	------	.845
3	7.932	33.558	26.152	334.29	------	.851
4	7.930	33.561	26.154	331.10	------	.847
5	7.887	33.558	26.158	326.29	------	.868
6	7.775	33.535	26.156	323.66	------	.911
7	7.460	33.510	26.182	325.64	------	.989
8	7.302	33.543	26.230	322.94	------	.978
9	7.286	33.544	26.233	325.52	------	.982
10	7.270	33.545	26.236	327.91	------	.983
11	7.261	33.545	26.237	329.13	------	.977
12	7.248	33.546	26.240	324.02	------	.988
13	7.226	33.545	26.242	320.10	------	.981
14	7.219	33.546	26.243	325.23	------	.974
15	7.211	33.545	26.244	331.68	------	.964
16	7.204	33.545	26.245	331.97	------	.967
17	7.204	33.546	26.246	332.48	------	.966
18	7.205	33.548	26.247	327.03	------	.961
19	7.205	33.548	26.247	324.14	------	.948
20	7.204	33.549	26.248	319.37	------	.927
21	7.203	33.549	26.248	320.44	------	.928
22	7.203	33.550	26.249	319.44	------	.897
23	7.204	33.549	26.248	321.17	------	.881
24	7.208	33.553	26.250	319.29	------	.859
25	7.210	33.552	26.250	318.10	------	.838
26	7.211	33.554	26.251	320.99	------	.829
27	7.212	33.556	26.253	326.07	------	.804
28	7.215	33.560	26.256	320.54	------	.781
29	7.222	33.566	26.259	323.66	------	.762
30	7.225	33.574	26.265	317.55	------	.746
31	7.213	33.587	26.277	311.94	------	.726
32	7.180	33.611	26.300	314.61	------	.708
33	7.174	33.646	26.328	318.43	------	.692
34	7.145	33.636	26.325	311.72	------	.683
35	6.901	33.610	26.338	310.90	------	.677
36	6.789	33.642	26.378	309.77	------	.670
37	6.784	33.649	26.384	311.80	------	.680
38	6.786	33.650	26.384	308.93	------	.677
39	6.785	33.651	26.386	307.92	------	.677
40	6.784	33.650	26.384	304.87	------	.678
41	6.783	33.650	26.385	308.14	------	.677

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
42	6.785	33.651	26.385	308.18	------	.677
43	6.786	33.651	26.385	307.30	------	.677
44	6.787	33.651	26.385	307.35	------	.679
45	6.787	33.652	26.386	309.97	------	.680
46	6.787	33.652	26.386	306.71	------	.679
47	6.787	33.652	26.386	306.93	------	.682
48	6.788	33.652	26.386	308.15	------	.679
49	6.787	33.652	26.386	304.09	------	.678
50	6.788	33.652	26.386	304.91	------	.681
51	6.788	33.651	26.385	305.04	------	.679
52	6.788	33.652	26.386	304.38	------	.678

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
6	17 MAR 89	2333	37 45.46	74 28.86	60	58

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	7.786	33.607	26.211	-------	------	.730
3	7.717	33.582	26.201	-------	------	.738
4	7.715	33.626	26.237	325.92	------	.735
5	7.783	33.600	26.206	326.31	------	.723
6	7.729	33.593	26.209	325.60	------	.726
7	7.585	33.563	26.205	330.96	------	.733
8	7.493	33.583	26.234	329.45	------	.735
9	7.456	33.591	26.246	324.20	------	.737
10	7.443	33.590	26.247	323.00	------	.737
11	7.436	33.593	26.251	324.80	------	.736
12	7.432	33.593	26.251	325.19	------	.736
13	7.426	33.594	26.253	327.53	------	.736
14	7.422	33.596	26.254	325.42	------	.736
15	7.419	33.595	26.254	326.19	------	.733
16	7.417	33.594	26.254	326.09	------	.732
17	7.414	33.595	26.255	326.02	------	.731
18	7.414	33.595	26.255	324.37	------	.729
19	7.415	33.596	26.255	325.63	------	.731
20	7.414	33.596	26.256	322.85	------	.724
21	7.410	33.596	26.257	321.26	------	.723
22	7.409	33.598	26.258	320.35	------	.724
23	7.412	33.598	26.257	322.02	------	.724
24	7.414	33.601	26.260	318.29	------	.719
25	7.418	33.603	26.261	319.26	------	.718
26	7.418	33.605	26.262	316.56	------	.721
27	7.424	33.610	26.266	319.41	------	.719
28	7.441	33.628	26.277	318.29	------	.719
29	7.493	33.653	26.289	319.84	------	.704
30	7.530	33.667	26.296	321.06	------	.704
31	7.553	33.678	26.301	316.23	------	.699
32	7.544	33.686	26.309	317.91	------	.694
33	7.514	33.692	26.317	317.52	------	.680
34	7.472	33.699	26.329	315.01	------	.669
35	7.467	33.702	26.332	317.95	------	.660
36	7.473	33.711	26.338	317.65	------	.650
37	7.486	33.718	26.341	315.62	------	.650
38	7.513	33.723	26.342	317.42	------	.648
39	7.559	33.738	26.347	315.70	------	.643
40	7.592	33.752	26.353	316.16	------	.639
41	7.593	33.753	26.354	313.93	------	.641
42	7.611	33.765	26.360	313.29	------	.638

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	7.636	33.776	26.365	312.53	------	.635
44	7.657	33.783	26.368	310.45	------	.631
45	7.691	33.801	26.378	311.65	------	.627
46	7.734	33.819	26.386	310.08	------	.626
47	7.750	33.818	26.383	308.80	------	.624
48	7.775	33.829	26.387	310.19	------	.626
49	7.787	33.832	26.388	311.40	------	.625
50	7.798	33.838	26.391	311.54	------	.625
51	7.809	33.840	26.391	309.87	------	.624
52	7.825	33.844	26.392	308.11	------	.623
53	7.828	33.845	26.392	309.18	------	.624
54	7.835	33.846	26.392	309.70	------	.625
55	7.836	33.847	26.393	307.46	------	.625
56	7.838	33.847	26.392	304.65	------	.623
57	7.839	33.849	26.393	302.15	------	.625
58	7.839	33.848	26.393	303.87	------	.623
59	7.840	33.848	26.393	303.86	------	.626

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
7	18 MAR 89	0045	37 41.37	74 20.55	90	88

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	7.992	33.523	26.115	-------	------	.717
3	7.968	33.523	26.119	318.06	------	.717
4	7.934	33.509	26.113	318.42	------	.718
5	7.860	33.506	26.122	316.36	------	.744
6	7.489	33.455	26.134	312.88	------	.764
7	7.345	33.544	26.225	308.25	------	.767
8	7.296	33.556	26.241	306.92	------	.769
9	7.279	33.553	26.241	310.36	------	.772
10	7.272	33.558	26.246	312.08	------	.772
11	7.259	33.557	26.247	314.36	------	.772
12	7.243	33.556	26.248	313.42	------	.769
13	7.233	33.559	26.252	313.28	------	.769
14	7.231	33.560	26.253	310.99	------	.777
15	7.225	33.560	26.254	308.44	------	.780
16	7.225	33.562	26.255	310.80	------	.769
17	7.224	33.561	26.255	312.89	------	.769
18	7.226	33.562	26.255	305.42	------	.768
19	7.230	33.563	26.256	305.79	------	.767
20	7.230	33.563	26.255	309.06	------	.769
21	7.233	33.564	26.256	308.63	------	.769
22	7.238	33.565	26.256	310.65	------	.766
23	7.241	33.567	26.257	309.39	------	.766
24	7.247	33.569	26.258	308.53	------	.766
25	7.258	33.572	26.259	308.23	------	.763
26	7.273	33.578	26.261	303.61	------	.760
27	7.284	33.580	26.261	305.54	------	.757
28	7.311	33.589	26.265	301.91	------	.752
29	7.332	33.591	26.263	303.15	------	.749
30	7.361	33.602	26.268	305.23	------	.741
31	7.450	33.636	26.282	302.52	------	.721
32	7.857	33.804	26.356	299.39	------	.678
33	8.199	33.943	26.414	296.61	------	.646
34	8.206	33.977	26.440	296.23	------	.640
35	8.295	34.015	26.456	291.38	------	.641
36	8.326	34.024	26.458	287.71	------	.639
37	8.376	34.036	26.461	287.27	------	.635
38	8.421	34.056	26.469	285.46	------	.633
39	8.441	34.059	26.469	288.98	------	.632
40	8.477	34.073	26.474	290.43	------	.634
41	8.556	34.102	26.485	290.54	------	.629
42	8.611	34.106	26.480	290.06	------	.628

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	8.648	34.128	26.491	289.23	------	.623
44	8.723	34.151	26.497	291.05	------	.620
45	8.782	34.176	26.508	290.97	------	.617
46	8.948	34.229	26.523	290.07	------	.615
47	9.119	34.282	26.537	287.16	------	.613
48	9.221	34.292	26.529	286.60	------	.612
49	9.318	34.320	26.535	288.12	------	.610
50	9.375	34.333	26.536	290.07	------	.609
52	9.571	34.373	26.535	286.79	------	.606
54	9.867	34.467	26.559	284.95	------	.587
56	9.505	34.394	26.562	282.61	------	.582
58	9.422	34.383	26.567	280.49	------	.584
60	9.412	34.390	26.574	282.63	------	.584
62	9.429	34.400	26.579	282.90	------	.584
64	9.531	34.449	26.601	278.55	------	.582
66	9.616	34.472	26.605	276.51	------	.584
68	9.662	34.482	26.604	273.95	------	.587
70	9.682	34.486	26.605	274.82	------	.588
72	9.695	34.489	26.605	273.54	------	.589
74	9.700	34.490	26.604	275.62	------	.590
75	9.701	34.491	26.606	277.11	------	.589
76	9.704	34.492	26.606	277.25	------	.590
77	9.706	34.492	26.605	276.85	------	.590
78	9.708	34.493	26.605	274.15	------	.590
79	9.709	34.492	26.605	273.56	------	.589
80	9.711	34.493	26.605	276.62	------	.589
81	9.726	34.503	26.610	277.27	------	.589
82	9.767	34.515	26.613	274.61	------	.589
83	9.798	34.527	26.617	271.70	------	.588
84	9.832	34.539	26.621	271.87	------	.588
85	9.858	34.546	26.622	271.67	------	.588
86	9.893	34.559	26.626	274.73	------	.588
87	9.918	34.565	26.627	275.95	------	.588
88	9.927	34.566	26.626	272.17	------	.588
89	9.938	34.572	26.628	271.70	------	.588

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
8	18 MAR 89	0212	37 38.91	74 16.33	132	130

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	9.025	33.974	26.311	304.37	------	.770
3	9.041	33.973	26.308	303.22	------	.770
4	9.041	33.970	26.306	300.15	------	.771
5	9.045	33.971	26.306	299.30	------	.770
6	9.037	33.972	26.308	300.16	------	.769
7	8.959	33.952	26.305	296.66	------	.775
8	8.811	33.942	26.319	294.03	------	.786
9	8.912	33.986	26.338	294.25	------	.772
10	8.822	33.972	26.342	296.90	------	.788
11	8.594	33.956	26.364	296.96	------	.815
12	8.612	33.975	26.377	301.75	------	.816
13	8.621	33.979	26.378	298.66	------	.814
14	8.624	33.981	26.380	295.93	------	.808
15	8.613	33.983	26.383	296.84	------	.800
16	8.573	33.980	26.387	295.96	------	.785
17	8.563	33.989	26.395	295.01	------	.770
18	8.644	34.017	26.405	296.29	------	.755
19	8.822	34.073	26.421	290.81	------	.725
20	8.849	34.109	26.445	286.20	------	.712
21	8.909	34.147	26.465	280.72	------	.698
22	8.986	34.165	26.467	280.73	------	.687
23	9.040	34.193	26.480	284.64	------	.681
24	9.140	34.231	26.494	288.77	------	.672
25	9.195	34.253	26.502	284.18	------	.667
26	9.325	34.293	26.513	287.33	------	.659
27	9.311	34.298	26.518	288.79	------	.646
28	9.393	34.341	26.539	283.26	------	.632
29	9.373	34.341	26.542	285.88	------	.603
30	9.461	34.395	26.570	281.41	------	.593
31	9.595	34.431	26.576	276.54	------	.588
32	9.646	34.442	26.577	273.93	------	.584
33	9.683	34.450	26.576	273.35	------	.581
34	9.737	34.470	26.583	274.25	------	.575
35	9.761	34.480	26.587	276.86	------	.575
36	9.779	34.487	26.589	276.28	------	.574
37	9.772	34.487	26.590	278.70	------	.573
38	9.779	34.493	26.594	273.06	------	.573
39	9.809	34.510	26.602	273.09	------	.573
40	9.852	34.516	26.599	274.57	------	.573
41	9.857	34.517	26.599	271.08	------	.573
42	9.863	34.518	26.599	269.01	------	.572

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	9.864	34.518	26.599	271.62	------	.572
44	9.870	34.520	26.600	275.92	------	.572
45	9.879	34.525	26.602	278.33	------	.573
46	9.882	34.524	26.601	277.64	------	.573
47	9.882	34.525	26.601	279.04	------	.572
48	9.881	34.524	26.601	282.50	------	.573
49	9.882	34.525	26.601	276.14	------	.573
50	9.885	34.528	26.603	276.59	------	.574
52	9.873	34.53[illegible]	26.603	277.31	------	.576
54	9.912	34.542	26.610	278.71	------	.577
56	9.950	34.547	26.607	282.34	------	.579
58	10.073	34.588	26.618	277.59	------	.579
60	10.078	34.590	26.619	279.18	------	.577
62	10.103	34.600	26.622	280.26	------	.573
64	10.119	34.603	26.622	278.34	------	.573
66	10.161	34.617	26.626	278.07	------	.569
68	10.155	34.614	26.624	273.28	------	.570
70	10.164	34.617	26.625	276.72	------	.569
72	10.241	34.643	26.632	272.18	------	.564
74	10.531	34.721	26.643	270.47	------	.560
76	10.645	34.764	26.656	267.82	------	.558
78	10.836	34.827	26.671	267.59	------	.561
80	10.971	34.841	26.657	271.07	------	.566
82	11.033	34.859	26.660	268.98	------	.571
84	11.049	34.863	26.660	272.96	------	.571
86	11.058	34.864	26.660	272.56	------	.571
88	11.016	34.845	26.653	265.78	------	.568
90	10.998	34.850	26.660	274.05	------	.569
92	11.025	34.855	26.658	275.33	------	.569
94	11.057	34.862	26.659	271.61	------	.570
96	11.062	34.864	26.659	268.27	------	.573
98	11.106	34.876	26.660	271.51	------	.568
100	11.137	34.880	26.657	272.27	------	.567
102	11.112	34.867	26.652	267.49	------	.566
104	11.244	34.919	26.668	271.96	------	.559
106	11.251	34.922	26.669	273.29	------	.557
108	11.265	34.933	26.675	274.26	------	.558
110	11.275	34.939	26.678	270.28	------	.556
112	11.280	34.941	26.679	269.89	------	.556
114	11.284	34.947	26.683	263.93	------	.556
116	11.309	34.962	26.690	270.89	------	.555
117	11.294	34.952	26.685	269.20	------	.555
118	11.331	34.977	26.697	266.10	------	.553
119	11.404	35.000	26.70[illegible]	265.55	------	.552
120	11.437	35.002	26.698	261.11	------	.552
121	11.432	35.002	26.698	263.15	------	.573
122	11.392	34.996	26.701	264.60	------	.592
123	11.365	34.998	26.707	262.21	------	.604
124	11.361	34.998	26.708	263.79	------	.604
125	11.354	34.994	26.707	264.75	------	.612
126	11.340	34.993	26.709	262.62	------	.616

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
127	11.332	34.991	26.708	260.54	------	.620
128	11.329	34.992	26.710	262.30	------	.624
129	11.332	34.995	26.711	264.64	------	.626
130	11.336	34.995	26.711	265.28	------	.627
131	11.333	34.995	26.710	263.71	------	.628
132	11.341	34.996	26.710	267.17	------	.628
133	11.341	34.995	26.710	249.58	------	.628

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
9	18 MAR 89	0430	37 38.49	74 11.99	526	524

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	9.369	34.100	26.355	301.08	.378	.756
3	9.350	34.087	26.347	299.51	.374	.749
4	9.341	34.082	26.344	295.55	.383	.747
5	9.341	34.086	26.348	295.78	.377	.748
6	9.357	34.097	26.354	295.46	.369	.752
7	9.415	34.152	26.388	293.23	.387	.768
8	9.462	34.187	26.407	295.43	.420	.795
9	9.452	34.211	26.428	297.19	.461	.827
10	9.421	34.232	26.449	298.07	.503	.843
11	9.388	34.245	26.465	297.33	.518	.844
12	9.391	34.259	26.475	296.82	.519	.846
13	9.399	34.264	26.478	295.35	.549	.844
14	9.407	34.272	26.483	293.73	.561	.843
15	9.421	34.279	26.486	294.52	.574	.844
16	9.425	34.279	26.485	293.37	.598	.842
17	9.428	34.281	26.487	292.88	.584	.840
18	9.431	34.283	26.488	292.53	.581	.836
19	9.430	34.284	26.488	295.41	.579	.832
20	9.432	34.288	26.491	291.57	.595	.825
21	9.438	34.294	26.495	291.03	.573	.819
22	9.445	34.298	26.497	292.69	.569	.805
23	9.469	34.317	26.508	293.24	.565	.768
24	9.491	34.330	26.514	291.77	.514	.740
25	9.495	34.331	26.515	291.72	.478	.736
26	9.505	34.340	26.520	290.96	.477	.730
27	9.509	34.341	26.520	288.49	.446	.729
28	9.522	34.354	26.528	285.91	.464	.721
29	9.548	34.365	26.532	285.09	.474	.713
30	9.562	34.372	26.536	288.51	.466	.709
31	9.608	34.397	26.547	286.13	.429	.695
32	9.668	34.422	26.557	283.75	.414	.683
33	9.686	34.419	26.552	284.66	.413	.678
34	9.725	34.451	26.570	287.47	.409	.670
35	9.823	34.480	26.576	288.03	.394	.655
36	9.881	34.510	26.590	285.26	.360	.639
37	9.983	34.553	26.606	282.28	.323	.627
38	10.045	34.551	26.594	283.92	.294	.623
39	10.051	34.548	26.591	279.74	.287	.620
40	10.064	34.557	26.596	277.93	.293	.616
41	10.107	34.580	26.606	279.69	.278	.608
42	10.142	34.587	26.606	281.23	.265	.602

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	10.156	34.592	26.607	279.45	.246	.601
44	10.171	34.599	26.610	276.64	.227	.594
45	10.189	34.605	26.611	276.57	.214	.593
46	10.237	34.631	26.623	277.35	.209	.588
47	10.276	34.630	26.616	278.63	.208	.586
48	10.301	34.647	26.625	278.95	.191	.585
49	10.345	34.654	26.623	278.58	.187	.583
50	10.364	34.662	26.626	279.14	.181	.582
52	10.389	34.665	26.623	276.80	.162	.581
54	10.410	34.671	26.625	276.16	.160	.579
56	10.485	34.698	26.632	275.98	.154	.575
58	10.504	34.697	26.628	276.56	.148	.575
60	10.504	34.698	26.629	278.37	.147	.575
62	10.525	34.709	26.634	277.25	.147	.574
64	10.557	34.711	26.630	274.90	.145	.573
66	10.658	34.770	26.659	275.14	.132	.568
68	10.823	34.805	26.656	273.19	.120	.564
70	10.873	34.815	26.655	270.73	.110	.563
72	11.024	34.884	26.681	269.63	.105	.561
74	11.153	34.910	26.678	267.54	.096	.559
76	11.233	34.930	26.679	267.68	.090	.557
78	11.274	34.936	26.676	264.89	.091	.557
80	11.286	34.935	26.673	266.22	.086	.556
82	11.376	34.971	26.685	262.10	.083	.555
84	11.420	34.979	26.683	263.53	.079	.555
86	11.445	34.986	26.683	261.47	.077	.555
88	11.516	35.015	26.693	261.55	.071	.556
90	11.589	35.033	26.693	256.41	.073	.554
92	11.661	35.060	26.701	256.38	.066	.553
94	11.685	35.057	26.694	250.83	.064	.553
96	11.768	35.105	26.715	252.90	.063	.553
98	11.831	35.110	26.707	252.29	.061	.552
100	11.877	35.129	26.714	249.40	.057	.552
102	11.931	35.143	26.714	248.50	.058	.552
104	11.961	35.152	26.715	245.68	.052	.552
106	12.006	35.172	26.722	243.99	.050	.553
108	12.061	35.186	26.722	243.01	.046	.554
110	12.117	35.218	26.737	238.56	.047	.554
112	12.148	35.221	26.733	239.23	.045	.552
114	12.155	35.230	26.739	233.50	.046	.551
116	12.177	35.241	26.743	232.73	.046	.550
118	12.183	35.241	26.742	234.90	.045	.550
120	12.187	35.242	26.742	235.44	.046	.549
122	12.215	35.253	26.745	236.46	.043	.548
124	12.234	35.266	26.751	233.91	.050	.548
126	12.254	35.281	26.759	232.70	.044	.548
128	12.267	35.290	26.763	231.69	.039	.548
130	12.284	35.308	26.774	229.19	.039	.546
132	12.296	35.332	26.791	227.76	.040	.543
134	12.296	35.336	26.794	223.44	.041	.543
136	12.288	35.342	26.800	220.23	.038	.542

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
138	12.285	35.347	26.804	219.93	.037	.542
140	12.291	35.349	26.805	216.83	.037	.543
142	12.296	35.353	26.807	216.49	.034	.543
144	12.278	35.357	26.813	215.11	.035	.541
146	12.279	35.370	26.824	213.44	.032	.541
148	12.285	35.382	26.832	212.68	.034	.541
150	12.288	35.396	26.842	210.29	.032	.541
155	12.295	35.413	26.853	203.68	.029	.538
160	12.244	35.434	26.880	197.61	.030	.530
165	12.238	35.439	26.885	194.17	.027	.528
170	12.239	35.446	26.890	193.78	.030	.527
175	12.232	35.456	26.899	192.50	.031	.524
180	12.203	35.455	26.904	191.45	.031	.523
185	11.931	35.422	26.931	185.52	.028	.526
190	11.799	35.424	26.957	180.97	.025	.526
195	11.720	35.423	26.972	179.23	.028	.526
200	11.682	35.419	26.976	178.41	.027	.524
205	11.505	35.393	26.989	177.40	.026	.523
210	11.266	35.366	27.012	176.40	.026	.523
215	11.179	35.363	27.026	174.81	.025	.524
220	11.157	35.363	27.030	174.57	.026	.524
225	10.922	35.335	27.052	173.26	.026	.521
230	10.891	35.335	27.057	170.77	.024	.521
235	10.788	35.323	27.066	170.05	.028	.520
240	10.650	35.310	27.080	168.57	.022	.518
245	10.602	35.298	27.080	165.64	.023	.518
250	10.414	35.281	27.100	165.65	.027	.519
255	10.372	35.280	27.106	166.45	.026	.520
260	10.242	35.260	27.114	166.79	.024	.520
265	10.067	35.242	27.130	166.70	.033	.520
270	9.922	35.222	27.139	166.15	.023	.519
275	9.750	35.198	27.150	165.98	.027	.518
280	9.654	35.191	27.160	165.35	.029	.517
285	9.491	35.167	27.174	166.11	.026	.515
290	9.394	35.165	27.183	165.51	.027	.515
295	9.335	35.164	27.193	165.95	.027	.515
300	9.260	35.156	27.198	165.32	.026	.514
310	9.163	35.156	27.214	165.47	.027	.516
320	9.030	35.146	27.228	165.19	.032	.520
330	8.689	35.130	27.270	167.41	.027	.521
340	8.459	35.108	27.288	170.34	.026	.529
350	8.415	35.117	27.303	174.00	.026	.530
360	8.174	35.091	27.319	174.45	.024	.532
370	8.127	35.089	27.325	172.70	.027	.525
380	7.667	35.058	27.369	179.84	.029	.526
390	7.314	35.022	27.392	183.60	.025	.518
400	7.006	35.024	27.438	188.10	.026	.527
410	6.745	35.006	27.459	193.13	.026	.525
420	6.555	35.007	27.486	197.88	.025	.526
430	6.382	35.001	27.504	199.18	.027	.529
440	6.204	34.994	27.521	202.31	.028	.523

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
450	6.159	34.989	27.524	200.72	.025	.521
460	6.024	34.979	27.533	201.71	.023	.515
470	5.970	34.986	27.546	203.82	.028	.518
480	5.962	34.985	27.545	203.17	.026	.521
490	5.894	34.979	27.550	201.22	.022	.523
500	5.842	34.982	27.559	203.65	.026	.522
510	5.811	34.981	27.562	215.49	.024	.521
511	5.800	34.982	27.564	215.40	.025	.521
512	5.793	34.979	27.563	216.81	.026	.522
513	5.766	34.978	27.566	215.76	.021	.522
514	5.759	34.982	27.569	216.44	.025	.522
515	5.765	34.981	27.567	217.05	.024	.522
516	5.748	34.980	27.569	216.73	.025	.525
517	5.745	34.981	27.570	216.62	.024	.522
518	5.744	34.982	27.571	217.25	.023	.522
519	5.739	34.981	27.571	217.55	.027	.522
520	5.736	34.981	27.571	218.03	.021	.522
521	5.731	34.981	27.572	217.94	.026	.522
522	5.730	34.982	27.573	217.40	.030	.522
523	5.725	34.979	27.571	217.36	.022	.522
524	5.702	34.980	27.575	217.22	.028	.522
525	5.699	34.981	27.576	215.91	.026	.522
526	5.698	34.981	27.576	215.65	.025	.522

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
10	18 MAR 89	0755	37 37.97	74 9.36	1028	1026

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	7.843	33.610	26.206	293.95	.319	.709
3	7.894	33.622	26.207	292.12	.333	.706
4	7.849	33.608	26.203	290.10	.317	.706
5	7.830	33.600	26.199	288.47	.327	.707
6	7.756	33.577	26.192	286.71	.324	.706
7	7.717	33.594	26.211	287.47	.325	.706
8	7.695	33.583	26.206	290.08	.330	.707
9	7.613	33.560	26.200	290.60	.320	.710
10	7.546	33.560	26.209	291.35	.328	.712
11	7.483	33.552	26.212	290.54	.369	.716
12	7.436	33.547	26.214	290.83	.349	.721
13	7.541	33.642	26.274	290.82	.360	.729
14	7.718	33.684	26.282	291.10	.371	.730
15	7.856	33.734	26.301	290.29	.395	.733
16	7.967	33.771	26.314	290.26	.409	.737
17	8.107	33.841	26.348	289.57	.399	.733
18	8.146	33.880	26.373	286.89	.415	.717
19	8.104	33.876	26.376	283.87	.417	.716
20	8.082	33.874	26.378	282.79	.411	.714
21	8.050	33.869	26.379	282.48	.379	.713
22	8.012	33.874	26.388	281.53	.369	.707
23	8.013	33.888	26.399	275.92	.373	.703
24	8.014	33.888	26.399	277.88	.381	.703
25	8.026	33.898	26.405	279.65	.373	.700
26	8.053	33.910	26.410	277.10	.392	.695
27	8.070	33.917	26.413	278.18	.378	.692
28	8.101	33.931	26.420	279.05	.366	.681
29	8.141	33.942	26.422	279.23	.333	.669
30	8.164	33.955	26.429	277.56	.320	.662
31	8.183	33.961	26.431	276.88	.331	.658
32	8.199	33.969	26.434	277.14	.310	.651
33	8.226	33.982	26.441	277.52	.306	.644
34	8.290	34.016	26.458	271.34	.271	.628
35	8.458	34.096	26.495	271.29	.236	.606
36	8.533	34.088	26.478	273.61	.195	.601
37	8.539	34.085	26.474	274.20	.182	.601
38	8.539	34.085	26.474	270.57	.188	.601
39	8.543	34.089	26.477	268.78	.191	.600
40	8.604	34.117	26.489	269.45	.194	.596
41	8.672	34.131	26.490	273.40	.194	.596
42	8.685	34.131	26.487	271.22	.174	.595

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	8.735	34.165	26.507	270.82	.177	.595
44	8.917	34.238	26.535	270.87	.176	.595
45	9.021	34.265	26.540	270.81	.175	.594
46	9.097	34.286	26.544	271.91	.172	.591
47	9.212	34.333	26.562	269.06	.172	.588
48	9.239	34.327	26.553	268.64	.171	.588
49	9.240	34.322	26.549	271.15	.165	.588
50	9.234	34.320	26.549	269.00	.163	.589
52	9.301	34.353	26.563	268.35	.162	.586
54	9.349	34.364	26.564	269.26	.139	.583
56	9.447	34.409	26.583	265.74	.137	.581
58	9.576	34.440	26.586	267.78	.129	.580
60	9.601	34.446	26.587	263.47	.135	.580
62	9.608	34.449	26.588	267.66	.134	.581
64	9.673	34.480	26.601	265.06	.134	.575
66	9.935	34.559	26.619	265.48	.113	.563
68	10.051	34.593	26.626	266.44	.103	.560
70	10.058	34.591	26.623	268.75	.107	.559
72	10.093	34.607	26.629	267.91	.101	.554
74	10.174	34.622	26.628	267.13	.108	.554
76	10.184	34.636	26.637	267.38	.099	.552
78	10.294	34.659	26.636	268.38	.096	.552
80	10.482	34.702	26.636	268.37	.100	.554
82	10.891	34.809	26.647	266.68	.117	.556
84	10.750	34.776	26.647	264.69	.114	.552
86	10.930	34.833	26.658	265.60	.109	.552
88	11.031	34.850	26.654	266.26	.122	.552
90	11.032	34.850	26.653	266.40	.122	.551
92	11.019	34.848	26.654	265.88	.117	.550
94	11.009	34.848	26.656	266.44	.113	.547
96	11.009	34.856	26.662	265.31	.104	.544
98	10.849	34.808	26.654	264.00	.099	.543
100	10.797	34.810	26.664	263.08	.087	.542
102	10.824	34.826	26.672	265.13	.087	.541
104	10.925	34.859	26.679	265.87	.084	.539
106	11.030	34.890	26.685	265.25	.085	.539
108	11.131	34.920	26.690	262.22	.075	.538
110	11.345	34.990	26.705	260.68	.083	.536
112	11.498	35.021	26.701	261.49	.077	.537
114	11.595	35.062	26.714	262.45	.079	.534
116	11.631	35.056	26.703	264.35	.075	.534
118	11.697	35.090	26.717	264.15	.077	.533
120	11.776	35.109	26.717	262.33	.077	.530
122	11.897	35.154	26.729	262.13	.074	.528
124	11.918	35.153	26.724	262.53	.069	.527
126	11.948	35.162	26.725	261.98	.071	.527
128	11.999	35.181	26.730	260.05	.072	.526
130	12.064	35.218	26.747	259.38	.067	.523
132	12.096	35.217	26.739	259.76	.063	.522
134	12.065	35.208	26.739	256.16	.062	.523
136	12.030	35.204	26.742	253.06	.060	.524

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
138	12.098	35.259	26.772	250.54	.056	.526
140	12.153	35.274	26.773	245.72	.047	.526
142	12.181	35.287	26.778	232.92	.058	.526
144	12.221	35.315	26.792	228.98	.044	.524
146	12.257	35.323	26.791	226.31	.044	.524
148	12.274	35.333	26.795	223.49	.038	.525
150	12.282	35.337	26.797	220.51	.035	.525
155	12.302	35.365	26.815	209.80	.029	.526
160	12.302	35.368	26.817	206.85	.028	.526
165	12.300	35.385	26.831	204.59	.032	.527
170	12.226	35.402	26.859	198.20	.031	.523
175	12.104	35.404	26.883	190.70	.029	.521
180	11.999	35.400	26.901	186.96	.031	.520
185	11.982	35.401	26.904	187.10	.034	.519
190	11.843	35.394	26.926	182.77	.032	.517
195	11.691	35.396	26.957	177.00	.029	.516
200	11.668	35.399	26.963	176.32	.027	.515
205	11.617	35.392	26.967	175.03	.029	.514
210	11.344	35.350	26.985	174.28	.026	.514
215	11.163	35.357	27.024	172.65	.027	.511
220	11.154	35.378	27.043	167.36	.029	.506
225	11.047	35.360	27.048	165.06	.025	.502
230	10.827	35.329	27.063	163.38	.030	.505
235	10.609	35.295	27.076	165.45	.026	.507
240	10.350	35.263	27.097	165.45	.026	.506
245	10.167	35.244	27.114	162.65	.029	.502
250	9.985	35.231	27.136	161.70	.022	.501
255	9.973	35.239	27.143	160.61	.028	.501
260	9.918	35.235	27.150	159.18	.028	.500
265	9.898	35.230	27.150	159.44	.025	.500
270	9.718	35.215	27.168	159.85	.030	.501
275	9.643	35.205	27.173	160.38	.029	.501
280	9.513	35.192	27.185	160.42	.025	.501
285	9.373	35.190	27.206	161.98	.026	.511
290	9.268	35.186	27.220	164.69	.024	.516
295	9.233	35.179	27.221	163.77	.031	.513
300	9.163	35.178	27.232	165.16	.030	.516
310	8.916	35.155	27.254	167.33	.027	.516
320	8.481	35.119	27.294	169.17	.030	.514
330	8.202	35.089	27.314	171.31	.032	.514
340	7.783	35.057	27.352	175.26	.024	.514
350	7.487	35.053	27.392	180.08	.030	.512
360	7.292	35.040	27.410	180.47	.028	.511
370	7.154	35.032	27.423	185.12	.026	.510
380	7.006	35.023	27.437	186.32	.031	.510
390	6.848	35.020	27.456	191.38	.026	.509
400	6.674	35.003	27.467	193.30	.024	.507
410	6.594	35.009	27.482	197.43	.027	.508
420	6.518	35.008	27.491	199.91	.026	.508
430	6.463	35.006	27.497	201.13	.026	.509
440	6.380	35.002	27.505	202.56	.024	.507

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
450	6.216	34.996	27.522	206.06	.029	.506
460	6.175	34.994	27.526	205.45	.027	.503
470	6.143	34.991	27.527	205.79	.023	.502
480	6.088	34.984	27.529	205.53	.027	.500
490	5.881	34.972	27.546	207.38	.025	.498
500	5.807	34.970	27.554	208.14	.027	.497
510	5.705	34.966	27.563	209.58	.027	.496
520	5.635	34.963	27.569	210.59	.027	.496
530	5.536	34.960	27.579	211.21	.025	.494
540	5.460	34.955	27.585	211.88	.028	.494
550	5.448	34.957	27.588	212.65	.028	.493
560	5.433	34.956	27.589	212.94	.026	.492
570	5.391	34.955	27.593	212.28	.025	.493
580	5.355	34.958	27.600	214.34	.025	.491
590	5.264	34.954	27.608	228.28	.027	.490
600	5.251	34.961	27.615	228.01	.025	.490
610	5.198	34.960	27.621	229.63	.025	.491
620	5.159	34.962	27.627	236.03	.026	.492
630	5.087	34.952	27.627	240.19	.025	.489
640	5.030	34.958	27.638	243.60	.032	.489
650	5.028	34.958	27.639	244.44	.030	.489
660	5.026	34.960	27.640	242.35	.031	.488
670	5.029	34.963	27.643	243.01	.028	.490
680	5.010	34.959	27.642	242.06	.028	.490
690	4.997	34.969	27.651	242.46	.026	.494
700	4.982	34.970	27.654	242.10	.025	.496
710	4.930	34.966	27.657	242.69	.026	.494
720	4.862	34.964	27.663	245.06	.026	.493
730	4.848	34.967	27.667	244.18	.028	.493
740	4.843	34.967	27.667	244.70	.027	.493
750	4.818	34.966	27.669	243.81	.025	.492
760	4.796	34.969	27.674	244.13	.028	.495
770	4.781	34.970	27.677	244.62	.028	.498
780	4.765	34.970	27.679	245.14	.028	.499
790	4.752	34.972	27.682	245.26	.025	.498
800	4.743	34.971	27.682	245.19	.028	.499
810	4.744	34.972	27.683	243.67	.030	.498
820	4.732	34.972	27.684	244.33	.032	.499
830	4.724	34.972	27.685	243.26	.028	.499
840	4.722	34.973	27.686	243.05	.025	.500
850	4.710	34.972	27.687	244.13	.029	.500
860	4.684	34.972	27.690	243.73	.027	.500
870	4.632	34.975	27.698	245.26	.030	.502
880	4.629	34.975	27.698	244.55	.028	.501
890	4.619	34.975	27.700	244.33	.031	.501
900	4.607	34.975	27.700	244.84	.028	.503
910	4.594	34.975	27.702	245.21	.026	.502
920	4.586	34.973	27.701	245.41	.033	.500
930	4.552	34.975	27.707	243.71	.029	.502
940	4.541	34.975	27.708	245.15	.027	.502
950	4.537	34.975	27.709	243.66	.026	.501

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
11	18 MAR 89	1025	37 32.25	73 59.99	1434	1432

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	6.956	33.394	26.160	299.43	.300	.724
3	6.947	33.395	26.162	297.33	.310	.715
4	6.944	33.398	26.165	298.11	.307	.715
5	6.944	33.398	26.165	297.80	.302	.714
6	6.941	33.396	26.164	296.37	.296	.713
7	6.939	33.398	26.165	295.71	.311	.713
8	6.942	33.398	26.165	296.91	.321	.714
9	6.943	33.397	26.164	299.48	.312	.713
10	6.937	33.396	26.164	298.55	.328	.713
11	6.893	33.401	26.174	298.44	.323	.708
12	6.892	33.399	26.173	298.63	.316	.708
13	6.826	33.396	26.179	297.64	.315	.700
14	6.777	33.405	26.192	295.87	.311	.696
15	6.741	33.411	26.202	293.68	.304	.690
16	6.696	33.421	26.216	293.13	.304	.680
17	6.679	33.433	26.227	294.75	.295	.676
18	6.651	33.444	26.240	294.57	.288	.666
19	6.646	33.455	26.249	294.27	.262	.662
20	6.650	33.460	26.252	291.46	.354	.663
21	6.659	33.469	26.259	292.30	.290	.666
22	6.675	33.477	26.263	292.74	.292	.668
23	6.695	33.490	26.271	292.41	.312	.673
24	6.699	33.491	26.271	290.32	.319	.668
25	6.702	33.496	26.274	292.68	.312	.667
26	6.708	33.498	26.275	292.79	.296	.669
27	6.713	33.503	26.278	290.00	.286	.669
28	6.722	33.507	26.280	290.15	.299	.669
29	6.732	33.511	26.282	291.84	.306	.672
30	6.737	33.514	26.284	290.90	.301	.672
31	6.753	33.523	26.289	290.20	.317	.672
32	6.763	33.530	26.293	290.05	.314	.669
33	6.766	33.530	26.292	289.26	.297	.668
34	6.766	33.529	26.292	288.64	.295	.667
35	6.771	33.531	26.293	288.35	.298	.666
36	6.782	33.537	26.296	290.04	.323	.662
37	6.823	33.566	26.313	287.76	.302	.658
38	7.024	33.651	26.353	288.25	.278	.645
39	7.316	33.768	26.405	284.58	.256	.632
40	7.608	33.836	26.417	283.04	.243	.617
41	7.839	33.904	26.437	280.25	.225	.611
42	8.120	34.000	26.471	276.55	.208	.604

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
960	4.526	34.975	27.709	243.76	.027	.500
970	4.508	34.973	27.710	244.78	.029	.498
980	4.454	34.970	27.714	244.59	.026	.498
990	4.430	34.972	27.718	245.70	.027	.499
1000	4.435	34.973	27.718	245.96	.026	.521
1010	4.413	34.971	27.719	244.82	.033	.503
1013	4.410	34.971	27.719	244.82	.027	.502
1014	4.411	34.971	27.719	244.11	.031	.502
1015	4.415	34.970	27.718	243.37	.026	.502
1016	4.415	34.970	27.718	243.27	.031	.502
1017	4.413	34.970	27.718	243.34	.026	.501
1018	4.410	34.970	27.719	242.08	.034	.502
1019	4.410	34.970	27.718	241.46	.028	.502
1020	4.410	34.970	27.719	242.31	.028	.506
1021	4.409	34.971	27.719	243.20	.029	.502
1022	4.410	34.969	27.718	241.38	.031	.502
1023	4.410	34.970	27.719	240.94	.025	.501
1024	4.411	34.970	27.718	238.25	.027	.501
1025	4.411	34.970	27.719	237.77	.027	.504
1026	4.412	34.970	27.718	239.22	.029	.504

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	8.265	34.030	26.473	274.27	.175	.604
44	8.309	34.042	26.475	271.93	.179	.606
45	8.381	34.083	26.497	270.91	.181	.608
46	8.601	34.188	26.545	269.09	.172	.620
47	8.664	34.162	26.515	269.50	.168	.621
48	8.785	34.205	26.530	269.74	.200	.623
49	8.854	34.229	26.538	269.77	.165	.622
50	8.981	34.267	26.547	268.29	.135	.623
52	9.125	34.317	26.564	268.48	.145	.618
54	9.301	34.361	26.570	268.69	.159	.603
56	9.671	34.509	26.625	264.71	.176	.588
58	9.956	34.574	26.627	268.77	.202	.589
60	10.005	34.554	26.603	268.18	.188	.589
62	10.107	34.587	26.611	267.38	.194	.590
64	10.196	34.613	26.616	267.89	.194	.592
66	10.395	34.681	26.635	268.39	.196	.597
68	10.484	34.682	26.620	267.45	.204	.599
70	10.598	34.713	26.624	269.22	.205	.597
72	10.793	34.781	26.643	269.45	.217	.594
74	10.856	34.787	26.636	270.06	.219	.592
76	10.965	34.845	26.662	270.91	.209	.589
78	11.147	34.896	26.668	272.34	.196	.581
80	11.197	34.910	26.670	272.61	.184	.577
82	11.233	34.931	26.680	270.27	.183	.578
84	11.244	34.934	26.680	271.50	.185	.575
86	11.256	34.942	26.684	272.86	.183	.574
88	11.253	34.942	26.685	270.96	.186	.572
90	11.221	34.937	26.686	273.50	.188	.570
92	11.217	34.939	26.689	273.91	.173	.568
94	11.230	34.946	26.692	274.79	.170	.563
96	11.244	34.963	26.703	272.62	.168	.561
98	11.287	34.974	26.703	272.65	.157	.553
100	11.252	34.963	26.702	272.88	.145	.550
102	11.239	34.971	26.710	273.75	.137	.546
104	11.316	35.002	26.720	270.39	.127	.541
106	11.415	35.033	26.726	267.41	.114	.539
108	11.427	35.026	26.718	266.80	.114	.538
110	11.432	35.027	26.718	268.71	.111	.538
112	11.424	35.021	26.715	271.20	.110	.537
114	11.415	35.016	26.712	268.58	.109	.537
116	11.388	35.016	26.717	270.05	.099	.534
118	11.396	35.023	26.721	267.37	.104	.533
120	11.448	35.049	26.732	269.11	.093	.532
122	11.532	35.079	26.740	270.10	.091	.529
124	11.580	35.092	26.741	270.54	.088	.528
126	11.643	35.106	26.740	269.01	.084	.525
128	11.695	35.135	26.753	270.23	.081	.525
130	11.731	35.135	26.746	267.42	.086	.525
132	11.735	35.135	26.745	266.92	.085	.524
134	11.733	35.135	26.745	267.16	.084	.524
136	11.717	35.129	26.744	267.41	.082	.524

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
138	11.759	35.175	26.772	263.88	.075	.523
140	11.826	35.181	26.763	262.26	.076	.522
142	11.841	35.180	26.760	262.73	.079	.523
144	11.849	35.184	26.761	262.84	.084	.523
146	11.855	35.185	26.761	263.56	.079	.523
148	11.850	35.183	26.760	264.70	.079	.523
150	11.841	35.182	26.761	265.23	.080	.523
155	11.824	35.178	26.761	261.43	.082	.523
160	11.800	35.174	26.763	261.04	.086	.524
165	11.744	35.162	26.764	262.84	.081	.525
170	11.725	35.160	26.766	261.67	.086	.525
175	11.723	35.159	26.766	260.51	.080	.525
180	11.720	35.157	26.765	257.28	.085	.525
185	11.714	35.156	26.765	257.46	.088	.525
190	11.712	35.156	26.766	258.19	.087	.525
195	11.716	35.157	26.766	256.91	.079	.524
200	11.755	35.172	26.770	255.81	.083	.523
205	11.984	35.294	26.821	249.34	.069	.515
210	12.207	35.355	26.826	229.88	.051	.508
215	12.415	35.439	26.850	212.02	.036	.502
220	12.264	35.408	26.855	191.45	.032	.501
225	11.505	35.324	26.935	175.06	.023	.500
230	11.351	35.356	26.989	170.88	.024	.500
235	11.310	35.370	27.007	168.21	.022	.500
240	11.176	35.362	27.026	165.30	.027	.500
245	10.835	35.323	27.058	164.14	.028	.500
250	10.702	35.317	27.077	161.24	.023	.500
255	10.376	35.240	27.075	160.85	.025	.498
260	10.206	35.262	27.121	157.46	.023	.497
265	10.016	35.195	27.102	156.90	.026	.495
270	9.751	35.205	27.155	157.45	.024	.494
275	9.710	35.206	27.162	155.07	.023	.494
280	9.525	35.170	27.165	154.39	.025	.495
285	9.383	35.167	27.186	152.66	.026	.494
290	9.264	35.146	27.190	151.23	.029	.494
295	9.164	35.148	27.208	151.57	.022	.493
300	9.003	35.122	27.214	155.67	.023	.493
310	8.628	35.089	27.247	152.47	.025	.494
320	8.449	35.087	27.274	155.43	.027	.494
330	8.182	35.070	27.301	163.29	.024	.492
340	7.883	35.065	27.343	169.82	.024	.491
350	7.560	35.037	27.369	171.82	.022	.491
360	7.388	35.042	27.397	175.31	.024	.490
370	7.291	35.040	27.409	179.69	.026	.490
380	7.169	35.033	27.421	181.76	.023	.490
390	7.121	35.032	27.428	183.68	.024	.490
400	7.045	35.026	27.433	184.59	.025	.490
410	6.890	35.021	27.451	189.02	.024	.490
420	6.709	35.013	27.470	191.81	.022	.489
430	6.559	35.012	27.489	195.42	.022	.488
440	6.482	35.008	27.496	195.80	.023	.488

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
450	6.387	35.005	27.506	198.37	.027	.488
460	6.219	34.998	27.523	200.92	.028	.488
470	6.075	34.975	27.524	201.68	.025	.488
480	5.863	34.971	27.547	203.89	.026	.488
490	5.835	34.973	27.553	206.72	.026	.490
500	5.804	34.971	27.555	205.07	.027	.496
510	5.684	34.969	27.569	206.72	.031	.498
520	5.610	34.967	27.576	209.21	.033	.499
530	5.547	34.967	27.584	209.52	.027	.497
540	5.482	34.964	27.589	209.71	.033	.495
550	5.429	34.963	27.595	211.22	.033	.492
560	5.327	34.954	27.600	211.74	.028	.490
570	5.281	34.955	27.607	216.73	.032	.489
580	5.238	34.959	27.615	226.88	.031	.490
590	5.209	34.960	27.619	225.07	.029	.490
600	5.161	34.964	27.628	230.93	.030	.490
610	5.067	34.952	27.629	236.22	.027	.489
620	5.034	34.957	27.637	241.98	.029	.488
630	5.038	34.962	27.641	238.80	.033	.483
640	5.044	34.968	27.645	239.68	.026	.490
650	4.939	34.952	27.644	239.23	.032	.486
660	4.899	34.952	27.649	243.51	.027	.486
670	4.859	34.956	27.657	242.86	.024	.485
680	4.852	34.955	27.657	242.94	.030	.485
690	4.825	34.954	27.659	243.00	.026	.485
700	4.794	34.954	27.663	242.90	.029	.485
710	4.767	34.954	27.666	244.78	.025	.485
720	4.726	34.957	27.673	245.37	.029	.485
730	4.718	34.958	27.674	244.12	.029	.485
740	4.682	34.957	27.678	245.32	.027	.485
750	4.659	34.955	27.679	246.51	.031	.484
760	4.652	34.958	27.682	244.78	.031	.484
770	4.612	34.954	27.683	245.21	.027	.483
780	4.607	34.957	27.686	246.34	.036	.483
790	4.599	34.959	27.689	245.84	.029	.483
800	4.657	34.986	27.704	245.85	.030	.487
810	4.697	34.977	27.692	242.66	.022	.488
820	4.687	34.977	27.693	244.25	.031	.488
830	4.681	34.977	27.694	242.91	.032	.487
840	4.674	34.978	27.695	243.14	.030	.488
850	4.657	34.977	27.696	244.93	.032	.487
860	4.642	34.976	27.697	243.41	.030	.486
870	4.621	34.975	27.699	243.48	.032	.486
880	4.613	34.976	27.701	243.30	.028	.486
890	4.596	34.976	27.703	244.81	.025	.486
900	4.579	34.975	27.704	244.55	.027	.484
910	4.564	34.974	27.705	243.29	.025	.484
920	4.556	34.975	27.706	246.57	.027	.485
930	4.534	34.973	27.707	246.90	.029	.485
940	4.516	34.972	27.708	244.36	.026	.484
950	4.499	34.971	27.709	244.34	.024	.485

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
960	4.488	34.973	27.712	246.74	.028	.485
970	4.472	34.971	27.713	244.52	.026	.485
980	4.457	34.971	27.714	244.26	.026	.484
990	4.411	34.967	27.716	245.15	.025	.479
1000	4.387	34.963	27.715	246.90	.032	.476
1010	4.341	34.956	27.715	249.26	.023	.474
1020	4.351	34.962	27.719	250.66	.024	.474
1030	4.348	34.960	27.718	248.96	.027	.473
1040	4.350	34.961	27.718	251.13	.027	.474
1050	4.350	34.962	27.719	251.42	.025	.473
1060	4.336	34.960	27.719	247.69	.025	.472
1070	4.304	34.957	27.720	248.41	.024	.473
1080	4.284	34.958	27.723	252.51	028	.472
1090	4.243	34.955	27.725	259.41	.024	.472
1100	4.214	34.954	27.727	264.43	.027	.473
1110	4.209	34.956	27.729	266.95	.026	.472
1120	4.207	34.957	27.730	267.65	.024	.474
1130	4.211	34.958	27.731	265.46	.027	.476
1140	4.217	34.962	27.733	266.40	.026	.480
1150	4.213	34.962	27.734	265.27	.025	.479
1160	4.194	34.961	27.735	266.50	.028	.479
1170	4.189	34.961	27.735	263.40	.024	.479
1180	4.174	34.960	27.736	265.33	.025	.480
1190	4.164	34.960	27.737	266.13	.025	.478
1200	4.145	34.956	27.736	269.67	.024	.478
1210	4.132	34.958	27.739	270.04	.030	.478
1220	4.123	34.958	27.740	269.76	.022	.477
1230	4.110	34.957	27.740	271.22	.029	.477
1240	4.107	34.956	27.740	270.33	.027	.477
1250	4.101	34.957	27.742	269.77	.024	.479
1260	4.097	34.957	27.742	270.97	.029	.481
1270	4.095	34.956	27.741	271.38	.022	.481
1280	4.092	34.957	27.742	269.69	.023	.480
1290	4.085	34.956	27.742	270.40	.028	.480
1300	4.068	34.956	27.744	268.95	.027	.477
1310	4.046	34.955	27.746	268.77	.025	.476
1320	4.041	34.953	27.745	270.22	.023	.478
1330	4.032	34.953	27.745	270.03	.027	.478
1340	4.026	34.953	27.746	273.31	.024	.478
1350	4.018	34.953	27.747	270.04	.025	.481
1360	4.016	34.952	27.747	270.52	.023	.484
1370	4.015	34.953	27.747	269.31	.028	.48
1380	4.015	34.953	27.747	270.00	.023	.484
1390	4.015	34.953	27.747	270.14	.028	.485
1400	4.012	34.953	27.748	267.21	.028	.482
1410	4.010	34.953	27.748	269.81	.028	.481
1419	4.007	34.953	27.748	267.72	.026	.484
1420	4.007	34.953	27.748	268.86	.027	.485
1421	4.006	34.953	27.748	266.16	.025	.485
1422	4.005	34.952	27.748	266.62	.026	.485
1423	4.005	34.953	27.748	268.68	.025	.486

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
1424	4.004	34.952	27.748	269.28	.033	.485
1425	4.005	34.952	27.747	268.98	.029	.487
1426	4.004	34.952	27.748	270.38	.026	.487
1427	4.004	34.952	27.748	268.96	.024	.486
1428	4.004	34.952	27.748	266.64	.026	.486
1429	4.003	34.953	27.749	266.35	.027	.487
1430	4.003	34.953	27.748	264.68	.024	.487
1431	4.002	34.952	27.748	263.74	.026	.487
1432	4.002	34.951	27.747	265.17	.022	.487
1433	4.002	34.952	27.748	266.79	.011	.487

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
12	18 MAR 89	1337	37 24.87	73 48.76	2020	----

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
1	8.505	33.875	26.315	286.79	------	.745
2	8.505	33.876	26.315	286.15	------	.739
3	8.511	33.876	26.314	284.11	------	.735
4	8.497	33.876	26.317	283.80	------	.735
5	8.494	33.877	26.318	282.66	------	.736
6	8.497	33.880	26.320	280.35	------	.736
7	8.495	33.881	26.321	278.58	------	.737
8	8.497	33.885	26.323	277.73	------	.738
9	8.504	33.888	26.325	280.88	------	.738
10	8.514	33.894	26.328	279.94	------	.739
11	8.555	33.919	26.342	279.11	------	.741
12	8.733	33.994	26.372	278.25	------	.741
13	8.907	34.036	26.378	276.46	------	.757
14	9.173	34.176	26.446	273.53	------	.768
15	9.452	34.332	26.522	273.05	------	.773
16	9.706	34.433	26.559	272.31	------	.769
17	9.838	34.474	26.569	271.55	------	.766
18	9.951	34.497	26.568	270.25	------	.763
19	10.089	34.567	26.599	265.70	------	.759
20	10.280	34.627	26.613	270.62	------	.748
21	10.423	34.668	26.620	263.99	------	.741
22	10.452	34.675	26.620	269.29	------	.740
23	10.458	34.684	26.626	265.28	------	.741
24	10.461	34.684	26.626	263.37	------	.740
25	10.455	34.685	26.628	257.03	------	.737
26	10.470	34.691	26.630	262.04	------	.731
27	10.531	34.741	26.658	264.81	------	.717
28	10.727	34.817	26.683	266.21	------	.707
29	10.829	34.855	26.694	266.90	------	.696
30	10.926	34.890	26.704	265.37	------	.683
31	11.026	34.917	26.707	266.33	------	.676
32	11.098	34.939	26.711	268.22	------	.670
33	11.139	34.952	26.713	263.04	------	.666
34	11.157	34.958	26.715	260.71	------	.662
35	11.166	34.962	26.716	259.77	------	.660
36	11.175	34.967	26.718	263.17	------	.659
37	11.181	34.970	26.719	266.55	------	.657
38	11.186	34.973	26.721	264.22	------	.655
39	11.191	34.977	26.723	264.05	------	.654
40	11.198	34.980	26.724	261.71	------	.652
41	11.207	34.985	26.727	261.07	------	.650

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
42	11.218	34.989	26.728	261.12	------	.645
43	11.227	34.993	26.729	255.24	------	.642
44	11.240	35.000	26.732	254.85	------	.636
45	11.256	35.006	26.734	259.85	------	.628
46	11.268	35.012	26.737	260.60	------	.624
47	11.271	35.014	26.737	262.53	------	.621
48	11.272	35.014	26.738	263.79	------	.619
49	11.272	35.015	26.738	258.47	------	.615
50	11.271	35.021	26.743	250.27	------	.605
52	11.297	35.038	26.751	254.42	------	.595
54	11.309	35.041	26.751	257.43	------	.593
56	11.315	35.042	26.751	260.38	------	.592
58	11.336	35.049	26.753	253.32	------	.591
60	11.341	35.051	26.753	257.87	------	.589
62	11.394	35.074	26.761	248.68	------	.575
64	11.439	35.089	26.764	245.79	------	.565
66	11.599	35.143	26.777	250.81	------	.555
68	11.632	35.138	26.766	252.39	------	.555
70	11.634	35.137	26.765	243.85	------	.555
72	11.645	35.142	26.768	240.40	------	.556
74	11.658	35.144	26.766	243.92	------	.555
76	11.660	35.144	26.766	248.16	------	.556
78	11.656	35.143	26.766	245.32	------	.556
80	11.653	35.142	26.766	247.24	------	.556
82	11.671	35.148	26.767	250.70	------	.554
84	11.672	35.148	26.767	247.82	------	.553
86	11.682	35.151	26.768	242.00	------	.553
88	11.699	35.154	26.766	243.44	------	.552
90	11.703	35.155	26.767	245.59	------	.551
92	11.716	35.160	26.768	240.71	------	.548
94	11.726	35.162	26.768	246.68	------	.547
96	11.733	35.163	26.767	238.51	------	.546
98	11.748	35.168	26.768	249.24	------	.546

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
13	18 MAR 89	1924	37 24.82	73 48.93	2040	----

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	8.875	33.860	26.246	265.11	.139	.700
3	8.840	33.862	26.252	261.03	.130	.703
4	8.825	33.862	26.255	262.08	.126	.705
5	8.823	33.865	26.258	260.12	.129	.706
6	8.818	33.869	26.261	257.46	.146	.709
7	8.821	33.874	26.265	261.16	.160	.708
8	8.822	33.879	26.268	263.06	.176	.709
9	8.825	33.887	26.274	262.33	.180	.712
10	8.829	33.898	26.283	264.39	.194	.716
11	8.845	33.936	26.310	261.19	.227	.721
12	9.016	34.134	26.438	260.94	.249	.757
13	9.350	34.315	26.525	261.28	.289	.768
14	9.548	34.408	26.566	257.77	.308	.759
15	9.649	34.423	26.561	258.31	.340	.750
16	9.688	34.432	26.562	255.34	.347	.747
17	9.726	34.450	26.569	251.93	.355	.745
18	9.768	34.464	26.573	255.86	.378	.746
19	9.798	34.473	26.575	254.52	.406	.750
20	9.828	34.486	26.580	254.59	.430	.753
21	9.869	34.507	26.590	254.73	.440	.756
22	9.935	34.543	26.607	253.21	.457	.743
23	10.076	34.611	26.636	255.63	.444	.727
24	10.161	34.629	26.635	251.97	.468	.721
25	10.228	34.643	26.634	252.21	.449	.717
26	10.248	34.651	26.637	253.26	.436	.714
27	10.291	34.663	26.639	252.81	.440	.714
28	10.302	34.663	26.637	253.37	.422	.713
29	10.312	34.667	26.639	252.43	.417	.712
30	10.360	34.703	26.659	252.45	.416	.701
31	10.605	34.828	26.713	251.15	.449	.671
32	10.825	34.920	26.745	249.84	.383	.633
33	10.975	34.947	26.739	246.26	.324	.608
34	11.016	34.946	26.731	245.34	.293	.602
35	11.049	34.955	26.732	241.91	.267	.595
36	11.084	34.968	26.736	243.73	.254	.587
37	11.103	34.971	26.735	243.05	.235	.584
38	11.109	34.973	26.735	243.55	.231	.582
39	11.115	34.977	26.737	244.65	.229	.578
40	11.117	34.977	26.737	245.38	.224	.576
41	11.126	34.981	26.739	242.82	.213	.575
42	11.129	34.980	26.737	242.07	.219	.574

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	11.129	34.980	26.737	244.69	.222	.573
44	11.128	34.981	26.738	242.18	.209	.571
45	11.126	34.980	26.738	243.13	.200	.568
46	11.129	34.983	26.739	244.99	.198	.564
47	11.128	34.984	26.740	246.51	.201	.563
48	11.127	34.984	26.741	247.13	.192	.559
49	11.131	34.989	26.744	247.13	.193	.558
50	11.139	34.993	26.745	243.90	.193	.557
52	11.175	35.007	26.750	244.16	.186	.557
54	11.238	35.029	26.755	242.36	.186	.552
56	11.230	35.027	26.755	246.07	.180	.546
58	11.280	35.050	26.764	245.69	.176	.541
60	11.305	35.054	26.762	244.55	.157	.541
62	11.412	35.081	26.764	245.54	.146	.537
64	11.426	35.085	26.764	242.98	.145	.536
66	11.414	35.080	26.762	242.42	.148	.536
68	11.399	35.075	26.761	239.25	.140	.536
70	11.406	35.080	26.764	241.85	.142	.537
72	11.395	35.073	26.761	245.17	.145	.537
74	11.363	35.062	26.758	241.13	.147	.537
76	11.358	35.067	26.763	247.09	.141	.537
78	11.341	35.056	26.758	246.00	.143	.536
80	11.295	35.050	26.761	245.06	.141	.534
82	11.290	35.053	26.764	250.79	.140	.532
84	11.292	35.056	26.766	252.86	.129	.530
86	11.290	35.055	26.766	253.20	.128	.529
88	11.285	35.052	26.764	250.01	.121	.526
90	11.289	35.059	26.769	248.65	.112	.526
92	11.302	35.061	26.768	243.65	.112	.524
94	11.307	35.061	26.767	246.43	.109	.523
96	11.308	35.060	26.766	249.60	.112	.522
98	11.308	35.062	26.768	248.15	.110	.522
100	11.310	35.061	26.767	246.78	.109	.521
102	11.333	35.074	26.773	245.96	.107	.520
104	11.586	35.162	26.794	244.24	.097	.510
106	11.637	35.146	26.772	246.70	.086	.509
108	11.643	35.145	26.770	247.18	.085	.509
110	11.640	35.147	26.772	245.71	.086	.508
112	11.644	35.146	26.771	247.32	.086	.508
114	11.642	35.145	26.770	248.00	.080	.509
116	11.639	35.145	26.771	247.11	.087	.508
118	11.641	35.144	26.770	248.70	.083	.508
120	11.633	35.141	26.769	249.14	.085	.508
122	11.626	35.139	26.769	249.57	.085	.508
124	11.602	35.133	26.769	249.76	.082	.507
126	11.589	35.129	26.768	248.61	.082	.507
128	11.572	35.127	26.770	249.35	.082	.507
130	11.560	35.125	26.770	249.09	.079	.507
132	11.549	35.122	26.770	249.99	.082	.506
134	11.548	35.123	26.771	249.80	.079	.505
136	11.522	35.116	26.770	246.61	.074	.504

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
138	11.510	35.115	26.771	243.85	.075	.505
140	11.502	35.111	26.770	246.25	.077	.506
142	11.487	35.111	26.773	242.55	.075	.506
144	11.501	35.120	26.777	246.64	.080	.505
146	11.505	35.112	26.770	245.76	.073	.504
148	11.478	35.110	26.774	246.76	.083	.506
150	11.458	35.101	26.771	245.68	.080	.506
155	11.457	35.114	26.781	247.70	.078	.504
160	11.518	35.130	26.782	244.39	.071	.501
165	11.612	35.180	26.803	241.34	.069	.497
170	11.909	35.306	26.845	226.13	.053	.484
175	11.840	35.305	26.857	202.16	.035	.485
180	11.742	35.322	26.889	194.04	.028	.485
185	11.618	35.300	26.895	188.93	.032	.484
190	11.651	35.355	26.932	180.43	.026	.483
195	11.538	35.353	26.952	175.54	.025	.480
200	11.425	35.365	26.982	170.13	.024	.481
205	11.208	35.336	27.000	166.55	.025	.483
210	11.145	35.341	27.015	168.49	.026	.484
215	11.106	35.334	27.017	168.85	.028	.484
220	11.000	35.326	27.030	167.04	.031	.485
225	10.846	35.323	27.056	163.35	.029	.478
230	10.714	35.305	27.065	159.29	.026	.476
235	10.631	35.306	27.081	159.36	.026	.473
240	10.354	35.258	27.093	158.53	.027	.472
245	10.332	35.284	27.116	156.49	.027	.472
250	10.119	35.249	27.126	154.99	.028	.471
255	9.993	35.221	27.126	157.29	.031	.471
260	9.886	35.220	27.143	158.88	.029	.471
265	9.750	35.204	27.154	158.90	.027	.470
270	9.539	35.194	27.182	159.26	.029	.470
275	9.430	35.178	27.188	158.03	.023	.469
280	9.255	35.159	27.202	156.45	.026	.468
285	9.176	35.155	27.211	155.59	.027	.468
290	9.123	35.155	27.220	157.03	.027	.468
295	8.867	35.131	27.243	159.35	.029	.467
300	8.821	35.132	27.251	160.65	.027	.466
310	8.533	35.108	27.277	161.44	.026	.467
320	8.315	35.095	27.301	164.67	.028	.466
330	8.196	35.079	27.307	164.43	.025	.465
340	7.823	35.061	27.349	170.35	.024	.465
350	7.715	35.061	27.365	174.50	.028	.466
360	7.483	35.041	27.382	176.40	.021	.464
370	7.328	35.040	27.404	179.18	.026	.463
380	7.125	35.032	27.427	183.04	.024	.463
390	6.980	35.022	27.439	185.17	.026	.462
400	6.716	35.014	27.469	191.55	.024	.461
410	6.603	35.014	27.485	196.06	.023	.460
420	6.477	35.016	27.503	199.87	.025	.459
430	6.349	35.014	27.519	202.73	.025	.459
440	6.274	35.014	27.528	204.82	.024	.459

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
450	6.129	35.007	27.542	203.02	.024	.459
460	6.017	35.000	27.551	207.87	.025	.458
470	5.883	35.000	27.568	209.09	.021	.457
480	5.791	34.995	27.576	209.17	.019	.457
490	5.731	34.994	27.583	211.32	.023	.457
500	5.682	34.995	27.589	211.07	.025	.456
510	5.633	34.993	27.593	212.30	.024	.456
520	5.583	34.995	27.601	211.91	.025	.455
530	5.546	34.993	27.604	213.15	.021	.455
540	5.481	34.992	27.612	213.54	.020	.454
550	5.401	34.988	27.618	215.53	.024	.454
560	5.347	34.985	27.623	229.71	.025	.453
570	5.373	34.998	27.629	229.51	.021	.453
580	5.318	34.990	27.630	229.08	.022	.453
590	5.282	34.994	27.637	232.64	.024	.452
600	5.101	34.974	27.643	243.97	.020	.452
610	5.066	34.979	27.651	245.05	.024	.451
620	5.049	34.980	27.654	243.78	.023	.451
630	5.041	34.983	27.658	244.30	.022	.450
640	4.990	34.977	27.659	244.46	.022	.450
650	4.960	34.975	27.660	245.15	.023	.449
660	4.938	34.980	27.667	245.82	.020	.449
670	4.929	34.981	27.668	244.72	.021	.449
680	4.849	34.970	27.669	247.53	.022	.448
690	4.817	34.974	27.676	247.36	.020	.450
700	4.838	34.988	27.684	248.18	.023	.447
710	4.797	34.975	27.679	248.01	.022	.447
720	4.744	34.977	27.687	249.58	.019	.446
730	4.702	34.973	27.689	249.74	.023	.446
740	4.690	34.975	27.691	249.69	.023	.446
750	4.630	34.966	27.691	250.67	.026	.446
760	4.589	34.967	27.696	252.95	.022	.446
770	4.590	34.970	27.699	251.93	.018	.445
780	4.574	34.970	27.701	251.88	.024	.446
790	4.559	34.970	27.702	252.35	.022	.444
800	4.565	34.975	27.703	251.38	.021	.444
810	4.572	34.976	27.705	251.05	.019	.444
820	4.542	34.973	27.706	250.72	.024	.445
830	4.485	34.966	27.707	252.93	.020	.443
840	4.471	34.966	27.709	253.10	.022	.443
850	4.437	34.964	27.711	252.88	.018	.443
860	4.407	34.960	27.711	254.59	.017	.443
870	4.387	34.958	27.712	253.32	.024	.443
880	4.385	34.958	27.712	252.85	.022	.442
890	4.401	34.964	27.715	253.17	.019	.442
900	4.379	34.963	27.717	253.72	.018	.442
910	4.341	34.957	27.716	253.18	.018	.442
920	4.329	34.957	27.717	254.01	.018	.441
930	4.304	34.957	27.719	254.48	.022	.441
940	4.300	34.956	27.719	253.87	.023	.441
950	4.257	34.954	27.722	255.51	.019	.441

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
960	4.232	34.949	27.721	256.35	.020	.441
970	4.196	34.946	27.722	257.18	.020	.440
980	4.197	34.948	27.724	258.30	.021	.441
990	4.189	34.945	27.723	267.00	.021	.440
1000	4.169	34.948	27.727	273.29	.019	.440
1010	4.167	34.946	27.726	273.99	.019	.439
1020	4.156	34.946	27.727	274.76	.023	.440
1030	4.151	34.947	27.728	274.06	.020	.439
1040	4.153	34.949	27.730	274.26	.022	.439
1050	4.147	34.950	27.731	275.51	.021	.439
1060	4.142	34.949	27.730	275.06	.022	.438
1070	4.099	34.945	27.732	274.68	.023	.438
1080	4.074	34.942	27.732	274.78	.018	.439
1090	4.058	34.942	27.734	276.16	.023	.439
1100	4.049	34.940	27.734	276.05	.025	.440
1110	4.047	34.938	27.732	274.17	.024	.439
1120	4.025	34.939	27.735	275.05	.023	.439
1130	4.010	34.939	27.737	275.97	.019	.439
1140	4.008	34.938	27.736	274.44	.022	.440
1150	4.002	34.940	27.738	276.02	.017	.439
1160	4.002	34.940	27.738	276.39	.022	.439
1170	3.992	34 938	27.738	275.52	.022	.439
1180	3.984	34.938	27.739	275.32	.026	.438
1190	3.990	34.942	27.741	275.74	.022	.443
1200	3.992	34.943	27.742	274.70	.022	.439
1210	3.987	34.943	27.743	275.76	.026	.438
1220	3.985	34.944	27.743	276.34	.025	.438
1230	3.984	34.942	27.742	275.99	.027	.439
1240	3.973	34.943	27.744	275.31	.023	.438
1250	3.968	34.941	27.743	276.91	.027	.438
1260	3.960	34.944	27.746	277.30	.022	.438
1270	3.954	34.942	27.745	275.60	.030	.438
1280	3.947	34.943	27.747	275.71	.025	.438
1290	3.939	34.943	27.748	276.27	.027	.438
1300	3.928	34.943	27.748	277.02	.027	.438
1310	3.925	34.941	27.747	275.34	.029	.438
1320	3.918	34.941	27.748	276.48	.024	.438
1330	3.918	34.941	27.748	276.88	.019	.438
1340	3.912	34.945	27.751	276.41	.024	.439
1350	3.912	34.941	27.748	276.55	.021	.438
1360	3.912	34.942	27.749	275.85	.021	.438
1370	3.906	34.943	27.751	277.77	.025	.438
1380	3.902	34.940	27.749	276.17	.024	.438
1390	3.892	34.943	27.752	274.54	.021	.437
1400	3.891	34.943	27.752	273.21	.024	.437
1410	3.888	34.940	27.750	275.46	.021	.437
1420	3.880	34.941	27.752	273.07	.024	.437
1430	3.876	34.941	27.753	274.69	.021	.437
1440	3.876	34.940	27.751	274.79	.024	.437
1450	3.874	34.941	27.752	275.25	.025	.437
1460	3.874	34.942	27.753	274.89	.024	.437

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
1470	3.872	34.942	27.754	272.86	.023	.436
1480	3.854	34.943	27.756	274.43	.023	.437
1490	3.848	34.945	27.758	274.00	.023	.437
1500	3.839	34.943	27.758	274.87	.021	.437

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
14	19 MAR 89	0316	37 41.56	74 19.61	99	97

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	7.762	33.199	26.130	302.70	------	.731
3	7.757	33.505	26.136	302.05	------	.730
4	7.755	33.511	26.142	300.37	------	.727
5	7.755	33.513	26.142	299.55	------	.727
6	7.756	33.517	26.145	299.20	------	.726
7	7.759	33.523	26.149	296.83	------	.727
8	7.768	33.544	26.164	294.44	------	.729
9	7.768	33.546	26.166	289.53	------	.729
10	7.813	33.591	26.195	294.22	------	.734
11	7.877	33.609	26.200	296.83	------	.737
12	7.943	33.636	26.211	296.08	------	.737
13	7.963	33.639	26.211	295.52	------	.739
14	8.036	33.668	26.223	295.08	------	.739
15	8.095	33.710	26.247	292.47	------	.741
16	8.240	33.761	26.265	291.28	------	.741
17	8.290	33.794	26.284	288.84	------	.735
18	8.355	33.824	26.297	289.08	------	.728
19	8.382	33.878	26.336	286.78	------	.713
20	8.370	33.925	26.373	287.06	------	.690
21	8.378	33.949	26.392	285.32	------	.673
22	8.371	33.962	26.404	282.85	------	.660
23	8.372	33.977	26.415	281.02	------	.654
24	8.386	33.994	26.426	281.75	------	.642
25	8.377	34.003	26.434	280.62	------	.633
26	8.382	34.012	26.441	279.35	------	.627
27	8.404	34.028	26.450	277.72	------	.618
28	8.444	34.060	26.469	278.31	------	.608
29	8.545	34.100	26.485	276.98	------	.593
30	8.597	34.110	26.484	274.93	------	.588
31	8.612	34.111	26.483	275.64	------	.588
32	8.618	34.112	26.483	274.78	------	.588
33	8.668	34.138	26.496	273.47	------	.586
34	8.702	34.145	26.496	271.78	------	.582
35	8.754	34.160	26.500	273.16	------	.582
36	8.982	34.294	26.569	270.08	------	.602
37	9.271	34.314	26.538	274.25	------	.621
38	9.441	34.362	26.547	276.21	------	.622
39	9.630	34.423	26.564	275.30	------	.614
40	9.734	34.437	26.557	274.66	------	.605
41	9.821	34.477	26.574	276.73	------	.595
42	9.976	34.536	26.594	275.05	------	.585

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	10.238	34.643	26.633	274.52	------	.566
44	10.456	34.690	26.632	274.69	------	.559
45	10.616	34.721	26.628	274.30	------	.551
46	10.720	34.748	26.630	274.01	------	.546
47	10.798	34.772	26.635	274.37	------	.543
48	10.902	34.802	26.640	275.96	------	.539
49	10.924	34.792	26.628	273.56	------	.538
50	10.933	34.795	26.629	272.59	------	.539
52	10.966	34.803	26.629	273.86	------	.537
54	10.997	34.812	26.630	273.05	------	.533
56	11.018	34.821	26.633	273.72	------	.531
58	11.029	34.820	26.631	273.05	------	.531
60	11.077	34.842	26.639	276.44	------	.531
62	11.192	34.873	26.642	275.40	------	.528
64	11.361	34.942	26.665	275.06	------	.522
66	11.465	34.954	26.655	274.12	------	.519
68	11.471	34.953	26.653	275.05	------	.519
70	11.482	34.956	26.653	273.04	------	.519
72	11.472	34.952	26.652	271.73	------	.517
74	11.433	34.943	26.652	269.30	------	.517
76	11.405	34.934	26.651	267.26	------	.517
78	11.316	34.914	26.651	268.76	------	.522
80	11.229	34.899	26.655	266.42	------	.517
82	11.164	34.878	26.651	263.53	------	.518
84	11.193	34.895	26.659	265.38	------	.518
85	11.135	34.866	26.647	266.10	------	.518
86	11.041	34.851	26.653	265.85	------	.518
87	11.054	34.875	26.669	264.25	------	.516
88	11.089	34.881	26.667	263.15	------	.516
89	11.092	34.879	26.665	259.62	------	.516
90	11.084	34.878	26.665	258.67	------	.514
91	11.110	34.902	26.680	258.86	------	.511
92	11.207	34.933	26.686	258.40	------	.512
93	11.232	34.935	26.683	259.90	------	.512
94	11.246	34.939	26.684	261.87	------	.512
95	11.314	34.977	26.701	261.29	------	.511
96	11.349	34.976	26.694	259.61	------	.518
97	11.360	34.986	26.699	257.67	------	.530
98	11.362	34.986	26.699	253.12	------	.531

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
15	19 MAR 89	1300	37 31.97	74 26.67	94	92

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
1	7.632	33.639	26.259	308.83	------	------
2	7.641	33.638	26.257	308.79	------	------
3	7.642	33.636	26.255	308.17	------	------
4	7.646	33.637	26.255	308.43	------	------
5	7.650	33.635	26.253	309.20	------	------
6	7.648	33.634	26.252	309.26	------	------
7	7.654	33.634	26.252	311.09	------	------
8	7.650	33.635	26.253	312.86	------	------
9	7.651	33.633	26.251	314.66	------	------
10	7.653	33.634	26.251	314.32	------	------
11	7.653	33.633	26.251	316.60	------	------
12	7.655	33.633	26.251	316.71	------	------
13	7.653	33.632	26.250	319.04	------	------
14	7.652	33.634	26.252	318.32	------	------
15	7.653	33.632	26.250	319.03	------	------
16	7.654	33.633	26.251	320.06	------	------
17	7.654	33.632	26.250	321.78	------	------
18	7.654	33.634	26.252	321.67	------	------
19	7.655	33.633	26.250	322.87	------	------
20	7.656	33.633	26.251	321.91	------	------
21	7.655	33.634	26.251	323.57	------	------
22	7.655	33.635	26.252	323.30	------	------
23	7.657	33.634	26.251	324.67	------	------
24	7.657	33.637	26.254	323.80	------	------
25	7.658	33.638	26.254	323.09	------	------
26	7.659	33.637	26.254	323.21	------	------
27	7.657	33.637	26.253	322.47	------	------
28	7.657	33.638	26.255	323.09	------	------
29	7.657	33.639	26.255	323.55	------	------
30	7.657	33.642	26.257	323.15	------	------
31	7.656	33.648	26.262	322.82	------	------
32	7.654	33.652	26.266	322.00	------	------
33	7.655	33.651	26.265	319.90	------	------
34	7.657	33.644	26.259	315.16	------	------
35	7.654	33.655	26.268	310.16	------	------
36	7.654	33.658	26.270	301.66	------	------
37	7.651	33.665	26.276	300.42	------	------
38	7.647	33.672	26.283	301.71	------	------
39	7.648	33.670	26.281	301.86	------	------
40	7.644	33.679	26.288	300.64	------	------
41	7.643	33.680	26.289	300.62	------	------

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
42	7.643	33.681	26.290	300.73	------	------
43	7.643	33.682	26.291	300.91	------	------
44	7.643	33.681	26.290	300.41	------	------
45	7.644	33.683	26.291	300.44	------	------
46	7.646	33.687	26.294	300.85	------	------
47	7.647	33.691	26.297	300.79	------	------
48	7.647	33.690	26.297	300.06	------	------
49	7.648	33.703	26.307	298.11	------	------
50	7.651	33.712	26.314	298.14	------	------
52	7.669	33.732	26.326	297.71	------	------
54	7.737	33.781	26.355	296.33	------	------
56	7.931	33.880	26.405	295.63	------	------
58	8.095	33.935	26.424	295.05	------	------
60	8.335	34.026	26.459	293.69	------	------
62	8.690	34.212	26.551	293.76	------	------
64	9.230	34.345	26.568	291.60	------	------
66	9.344	34.359	26.561	288.44	------	------
68	9.436	34.400	26.578	286.77	------	------
70	10.002	34.693	26.712	284.63	------	------
72	11.139	34.994	26.746	281.70	------	------
74	11.361	35.020	26.726	278.41	------	------
76	11.412	35.019	26.715	277.9[illegible]	------	------
78	11.426	35.020	26.714	277.86	------	------
79	11.418	35.016	26.712	278.62	------	------
80	11.416	35.016	26.712	279.37	------	------
81	11.422	35.022	26.716	280.14	------	------
82	11.450	35.030	26.717	280.40	------	------
83	11.458	35.030	26.716	281.47	------	------
84	11.461	35.029	26.714	282.03	------	------
85	11.458	35.027	26.713	280.13	------	------
86	11.445	35.023	26.712	280.12	------	------
87	11.452	35.026	26.714	280.69	------	------
88	11.449	35.026	26.714	281.13	------	------
89	11.451	35.025	26.713	283.00	------	------
90	11.449	35.028	26.715	283.74	------	------
91	11.451	35.029	26.715	284.32	------	------
92	11.460	35.028	26.714	288.88	------	------
93	11.465	35.030	26.714	291.87	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
16	19 MAR 89	1711	37 47.72	74 44.42	41	39

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	6.222	33.164	26.075	315.65	2.905	------
3	6.219	33.163	26.074	305.48	4.062	------
4	6.216	33.164	26.075	303.14	4.376	------
5	6.219	33.162	26.074	301.09	------	------
6	6.216	33.164	26.075	298.01	4.019	------
7	6.217	33.163	26.075	298.45	3.429	------
8	6.219	33.163	26.074	299.48	3.476	------
9	6.221	33.165	26.076	298.54	------	------
10	6.220	33.165	26.075	296.53	3.387	------
11	6.221	33.164	26.075	294.87	3.140	------
12	6.221	33.163	26.073	295.07	------	------
13	6.221	33.163	26.074	295.03	------	------
14	6.220	33.163	26.074	296.09	3.827	------
15	6.214	33.163	26.075	305.79	3.685	------
16	6.216	33.173	26.083	312.70	4.908	------
17	6.220	33.172	26.081	314.14	------	------
18	6.221	33.178	26.085	312.92	4.322	------
19	6.223	33.184	26.090	311.17	3.437	------
20	6.226	33.183	26.089	309.81	4.443	------
21	6.232	33.193	26.096	310.74	------	------
22	6.238	33.204	26.104	310.48	------	------
23	6.238	33.202	26.102	310.37	4.770	------
24	6.235	33.199	26.100	311.50	------	------
25	6.234	33.203	26.103	314.89	3.220	------
26	6.238	33.214	26.112	314.32	3.110	------
27	6.258	33.251	26.138	315.97	2.537	------
28	6.337	33.341	26.200	317.10	2.899	------
29	6.421	33.399	26.234	317.53	2.816	------
30	6.492	33.453	26.268	314.05	3.540	------
31	6.661	33.598	26.360	311.68	4.795	------
32	6.800	33.649	26.382	308.15	4.168	------
33	6.811	33.658	26.387	304.92	3.533	------
34	6.819	33.657	26.385	306.75	3.911	------
35	6.819	33.657	26.386	307.57	4.179	------
36	6.819	33.658	26.386	308.79	3.855	------
37	6.819	33.658	26.386	308.47	3.463	------
38	6.819	33.658	26.387	306.16	2.458	------
39	6.819	33.658	26.386	306.27	2.464	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
17	19 MAR 89	2124	37 48.04	74 44.62	41	39

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
3	6.592	33.303	26.137	321.45	------	.896
4	6.593	33.302	26.135	323.15	------	.895
5	6.590	33.301	26.135	322.77	------	.897
6	6.590	33.300	26.135	324.19	------	.896
7	6.589	33.300	26.134	324.28	------	.896
8	6.589	33.302	26.136	326.56	------	.897
9	6.590	33.300	26.135	321.34	------	.894
10	6.587	33.299	26.134	323.92	------	.896
11	6.587	33.300	26.135	325.14	------	.895
12	6.586	33.297	26.133	326.81	------	.897
13	6.582	33.298	26.134	328.05	------	.896
14	6.581	33.298	26.134	313.31	------	.896
15	6.581	33.298	26.134	307.81	------	.894
16	6.582	33.299	26.135	307.66	------	.891
17	6.581	33.300	26.136	308.72	------	.891
18	6.579	33.302	26.137	306.72	------	.389
19	6.576	33.303	26.139	307.50	------	.878
20	6.579	33.303	26.138	305.77	------	.881
21	6.577	33.305	26.140	308.93	------	.879
22	6.580	33.305	26.139	308.30	------	.879
23	6.578	33.302	26.137	307.07	------	.881
24	6.544	33.300	26.140	307.97	------	.866
25	6.527	33.307	26.148	307.36	------	.849
26	6.486	33.368	26.201	307.36	------	.761
27	6.494	33.405	26.230	305.69	------	.748
28	6.569	33.492	26.288	303.68	------	.698
29	6.733	33.630	26.376	300.08	------	.660
30	6.779	33.652	26.387	297.04	------	.639
31	6.787	33.650	26.384	297.25	------	.628
32	6.787	33.650	26.384	297.42	------	.630
33	6.789	33.650	26.384	298.92	------	.628
34	6.787	33.651	26.385	299.68	------	.632
35	6.788	33.650	26.385	297.21	------	.629
36	6.788	33.651	26.385	299.08	------	.628
37	6.788	33.651	26.385	298.11	------	.628
38	6.788	33.651	26.385	298.33	------	.624
39	6.789	33.651	26.385	300.23	------	.626
40	6.789	33.650	26.384	300.65	------	.624
41	6.789	33.650	26.384	299.80	------	.626

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
18	20 MAR 89	0110	37 47.61	74 45.45	40	38

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	6.434	33.276	26.136	321.84	------	.871
3	6.441	33.269	26.129	322.61	------	.860
4	6.443	33.268	26.129	324.94	------	.859
5	6.443	33.268	26.128	324.12	------	.858
6	6.443	33.269	26.129	324.50	------	.857
7	6.440	33.267	26.128	323.39	------	.856
8	6.441	33.268	26.129	319.90	------	.857
9	6.444	33.268	26.128	318.98	------	.857
10	6.449	33.269	26.128	311.57	------	.858
11	6.449	33.269	26.128	311.32	------	.858
12	6.452	33.269	26.128	308.94	------	.859
13	6.449	33.269	26.129	308.71	------	.858
14	6.447	33.268	26.128	310.02	------	.859
15	6.448	33.268	26.128	310.64	------	.857
16	6.448	33.270	26.129	311.72	------	.857
17	6.448	33.268	26.128	312.26	------	.860
18	6.451	33.270	26.129	312.92	------	.857
19	6.450	33.269	26.128	311.44	------	.855
20	6.441	33.268	26.129	309.73	------	.856
21	6.442	33.268	26.128	310.67	------	.855
22	6.440	33.268	26.129	312.11	------	.857
23	6.443	33.269	26.129	311.07	------	.856
24	6.443	33.270	26.130	312.01	------	.854
25	6.446	33.272	26.131	312.37	------	.855
26	6.448	33.275	26.133	312.70	------	.847
27	6.435	33.357	26.200	313.31	------	.765
28	6.491	33.451	26.266	310.66	------	.718
29	6.618	33.578	26.350	308.60	------	.669
30	6.689	33.607	26.363	306.56	------	.646
31	6.724	33.637	26.382	304.11	------	.630
32	6.730	33.635	26.380	303.74	------	.627
33	6.731	33.636	26.380	303.23	------	.624
34	6.731	33.635	26.380	305.35	------	.624
35	6.731	33.636	26.381	306.53	------	.627
36	6.733	33.636	26.380	305.60	------	.626
37	6.734	33.635	26.380	305.22	------	.624
38	6.735	33.635	26.379	306.90	------	.624

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
19	20 MAR 89	0431	37 47.76	74 45.45	40	38

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
3	6.161	33.194	26.106	318.57	------	.855
4	6.184	33.192	26.101	321.01	------	.855
5	6.188	33.192	26.101	320.73	------	.856
6	6.191	33.194	26.102	322.39	------	.852
7	6.191	33.192	26.101	321.40	------	.852
8	6.189	33.193	26.101	323.01	------	.854
9	6.189	33.192	26.101	322.63	------	.851
10	6.190	33.192	26.100	321.11	------	.852
11	6.189	33.190	26.099	321.63	------	.852
12	6.188	33.189	26.099	322.25	------	.853
13	6.188	33.190	26.099	323.00	------	.853
14	6.188	33.191	26.100	322.29	------	.853
15	6.189	33.191	26.100	322.03	------	.852
16	6.191	33.191	26.100	321.29	------	.855
17	6.191	33.192	26.100	320.92	------	.853
18	6.192	33.191	26.100	315.95	------	.853
19	6.191	33.192	26.100	308.21	------	.854
20	6.191	33.190	26.099	306.51	------	.852
21	6.191	33.191	26.100	305.72	------	.855
22	6.199	33.197	26.103	306.64	------	.852
23	6.202	33.195	26.101	307.32	------	.853
24	6.202	33.198	26.103	306.81	------	.854
25	6.204	33.196	26.102	307.30	------	.855
26	6.204	33.197	26.103	307.80	------	.851
27	6.199	33.193	26.101	308.07	------	.854
28	6.192	33.192	26.100	307.51	------	.852
29	6.191	33.192	26.101	304.85	------	.852
30	6.208	33.216	26.117	305.57	------	.831
31	6.305	33.361	26.220	306.94	------	.745
32	6.498	33.535	26.332	303.67	------	.672
33	6.588	33.580	26.356	302.17	------	.654
34	6.622	33.594	26.362	298.05	------	.638
35	6.640	33.599	26.364	297.41	------	.631
36	6.645	33.601	26.365	297.73	------	.629
37	6.649	33.601	26.364	295.88	------	.630
38	6.648	33.601	26.364	294.85	------	.628

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
20	20 MAR 89	0901	37 47.62	74 45.48	40	38

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	6.211	33.220	26.120	-------	------	.837
3	6.202	33.219	26.120	322.22	------	.841
4	6.208	33.218	26.119	322.77	------	.834
5	6.210	33.218	26.119	322.94	------	.839
6	6.210	33.218	26.118	322.09	------	.832
7	6.211	33.217	26.118	321.84	------	.832
8	6.211	33.217	26.118	320.48	------	.833
9	6.209	33.216	26.117	321.04	------	.832
10	6.210	33.219	26.119	323.48	------	.836
11	6.214	33.218	26.118	326.16	------	.808
12	6.227	33.222	26.119	325.52	------	.818
13	6.230	33.223	26.120	322.71	------	.842
14	6.235	33.224	26.120	318.00	------	.849
15	6.231	33.223	26.120	319.76	------	.814
16	6.245	33.233	26.126	324.81	------	.836
17	6.258	33.233	26.125	325.66	------	.838
18	6.262	33.235	26.125	312.71	------	.854
19	6.264	33.237	26.126	312.07	------	.828
20	6.264	33.237	26.127	316.37	------	.828
21	6.266	33.237	26.126	315.98	------	.827
22	6.269	33.238	26.127	314.36	------	.825
23	6.273	33.239	26.127	312.51	------	.812
24	6.279	33.243	26.129	310.93	------	.826
25	6.284	33.244	26.130	309.03	------	.825
26	6.285	33.245	26.130	314.60	------	.823
27	6.288	33.245	26.130	317.82	------	.820
28	6.289	33.247	26.131	317.70	------	.785
29	6.293	33.251	26.134	316.00	------	.811
30	6.307	33.281	26.156	314.13	------	.767
31	6.463	33.524	26.328	308.83	------	.694
32	6.533	33.552	26.340	310.67	------	.677
33	6.565	33.550	26.335	306.69	------	.659
34	6.567	33.556	26.339	306.93	------	.656
35	6.578	33.559	26.340	306.11	------	.656
36	6.581	33.566	26.345	306.66	------	.647
37	6.588	33.569	26.347	310.16	------	.645
38	6.592	33.571	26.348	307.53	------	.645
39	6.596	33.573	26.349	308.66	------	.639

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
21	20 MAR 89	1306	37 47.73	74 45.48	40	38

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	6.244	33.251	26.140	286.46	------	.824
3	6.250	33.250	26.139	285.46	------	.829
4	6.255	33.249	26.138	283.11	------	.826
5	6.245	33.251	26.140	281.54	------	.826
6	6.243	33.252	26.142	274.18	------	.825
7	6.242	33.252	26.141	278.02	------	.824
8	6.245	33.253	26.142	277.04	------	.828
9	6.252	33.258	26.145	276.19	------	.830
10	6.261	33.258	26.144	275.96	------	.829
11	6.262	33.260	26.145	277.38	------	.823
12	6.264	33.260	26.145	278.16	------	.826
13	6.266	33.260	26.145	278.02	------	.824
14	6.266	33.259	26.144	288.99	------	.820
15	6.268	33.260	26.145	290.60	------	.822
16	6.267	33.260	26.144	292.03	------	.817
17	6.265	33.261	26.146	289.85	------	.818
18	6.266	33.261	26.145	291.06	------	.818
19	6.265	33.261	26.146	295.51	------	.815
20	6.268	33.261	26.145	295.07	------	.814
21	6.270	33.262	26.146	290.69	------	.808
22	6.273	33.264	26.147	291.62	------	.807
23	6.276	33.265	26.148	292.94	------	.808
24	6.276	33.265	26.147	296.86	------	.813
25	6.276	33.265	26.148	299.48	------	.811
26	6.272	33.264	26.147	299.47	------	.815
27	6.272	33.266	26.149	300.63	------	.809
28	6.277	33.267	26.149	303.04	------	.809
29	6.281	33.269	26.149	306.23	------	.807
30	6.283	33.271	26.151	301.82	------	.803
31	6.309	33.308	26.177	305.46	------	.773
32	6.325	33.343	26.203	307.56	------	.755
33	6.329	33.373	26.226	306.53	------	.735
34	6.340	33.410	26.254	306.38	------	.712
35	6.358	33.438	26.273	303.93	------	.694
36	6.363	33.440	26.274	301.08	------	.691
37	6.364	33.440	26.274	297.47	------	.691
38	6.367	33.439	26.273	299.24	------	.689
39	6.369	33.443	26.276	301.40	------	.690

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
22	20 MAR 89	1456	37 47.63	74 45.42	40	38

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
3	6.162	33.203	26.113	273.95	------	.862
4	6.152	33.204	26.115	270.71	------	.861
5	6.142	33.202	26.114	270.76	------	.864
6	6.140	33.203	26.116	267.86	------	.864
7	6.140	33.202	26.115	272.68	------	.863
8	6.119	33.201	26.116	270.00	------	.873
9	6.122	33.204	26.118	274.65	------	.872
10	6.131	33.201	26.115	274.41	------	.867
11	6.130	33.201	26.115	278.28	------	.867
12	6.099	33.198	26.117	278.24	------	.881
13	6.073	33.201	26.122	280.01	------	.882
14	6.066	33.200	26.123	283.29	------	.886
15	6.065	33.201	26.123	284.28	------	.887
16	6.064	33.201	26.124	284.51	------	.878
17	6.060	33.202	26.125	287.25	------	.871
18	6.064	33.205	26.126	289.24	------	.859
19	6.067	33.206	26.127	289.08	------	.858
20	6.068	33.208	26.128	288.41	------	.855
21	6.075	33.211	26.130	291.37	------	.857
22	6.078	33.212	26.131	296.38	------	.848
23	6.084	33.216	26.133	291.63	------	.844
24	6.095	33.219	26.134	295.93	------	.838
25	6.101	33.221	26.135	293.76	------	.834
26	6.109	33.227	26.139	296.70	------	.830
27	6.115	33.230	26.140	299.25	------	.825
28	6.122	33.233	26.141	298.89	------	.820
29	6.138	33.245	26.149	299.18	------	.813
30	6.148	33.258	26.158	297.94	------	.805
31	6.172	33.278	26.171	297.33	------	.788
32	6.193	33.299	26.184	295.95	------	.775
33	6.211	33.325	26.203	292.01	------	.765
34	6.217	33.337	26.211	286.95	------	.740
35	6.226	33.347	26.219	286.54	------	.734
36	6.232	33.350	26.220	285.26	------	.728
37	6.234	33.351	26.220	283.77	------	.735
38	6.233	33.351	26.221	282.40	------	.728

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
23	20 MAR 89	1714	37 47.33	74 45.58	40	38

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	6.267	33.185	26.085	-------	------	.895
3	6.271	33.186	26.086	305.25	------	.894
4	6.264	33.185	26.086	302.64	------	.892
5	6.270	33.185	26.085	300.72	------	.887
6	6.266	33.185	26.086	299.94	------	.888
7	6.265	33.187	26.087	300.54	------	.889
8	6.272	33.187	26.087	302.08	------	.886
9	6.274	33.186	26.085	296.00	------	.886
10	6.245	33.180	26.084	295.76	------	.894
11	6.171	33.182	26.095	298.54	------	.920
12	6.103	33.190	26.110	299.76	------	.950
13	6.083	33.192	26.114	298.73	------	.968
14	6.059	33.190	26.116	296.11	------	.949
15	6.037	33.192	26.120	295.18	------	.925
16	6.034	33.192	26.120	292.23	------	.922
17	6.030	33.192	26.121	293.41	------	.908
18	6.030	33.194	26.122	292.06	------	.900
19	6.031	33.195	26.123	290.54	------	.898
20	6.027	33.194	26.122	290.16	------	.887
21	6.024	33.194	26.123	289.38	------	.881
22	6.023	33.196	26.124	285.25	------	.875
23	6.023	33.200	26.128	287.39	------	.865
24	6.032	33.217	26.140	286.94	------	.834
25	6.050	33.234	26.151	290.29	------	.809
26	6.072	33.251	26.162	302.13	------	.799
27	6.091	33.261	26.168	300.17	------	.783
28	6.095	33.263	26.169	297.64	------	.782
29	6.097	33.267	26.171	299.14	------	.781
30	6.113	33.275	26.176	297.02	------	.769
31	6.122	33.278	26.177	295.81	------	.765
32	6.121	33.277	26.177	303.05	------	.765
33	6.123	33.277	26.176	307.34	------	.762
34	6.122	33.277	26.176	307.69	------	.763
35	6.120	33.276	26.175	310.21	------	.765
36	6.120	33.278	26.177	308.03	------	.766
37	6.123	33.279	26.177	310.87	------	.762
38	6.129	33.280	26.178	305.70	------	.759

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
24	20 MAR 89	2205	37 41.74	74 20.22	95	93

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	7.379	33.531	26.210	289.07	------	.729
3	7.390	33.531	26.208	290.91	------	.728
4	7.397	33.534	26.209	292.46	------	.727
5	7.399	33.533	26.209	291.10	------	.728
6	7.398	33.534	26.209	292.23	------	.725
7	7.394	33.533	26.209	291.93	------	.722
8	7.391	33.532	26.209	292.54	------	.723
9	7.392	33.533	26.209	291.80	------	.722
10	7.382	33.531	26.209	291.44	------	.723
11	7.364	33.531	26.211	290.59	------	.724
12	7.356	33.528	26.211	291.02	------	.727
13	7.346	33.529	26.212	290.35	------	.727
14	7.322	33.528	26.215	290.97	------	.731
15	7.299	33.526	26.217	290.30	------	.735
16	7.260	33.518	26.216	290.45	------	.745
17	7.241	33.521	26.221	289.70	------	.746
18	7.235	33.521	26.222	290.56	------	.744
19	7.233	33.521	26.222	290.25	------	.748
20	7.232	33.522	26.223	289.63	------	.749
21	7.233	33.524	26.225	289.67	------	.749
22	7.232	33.526	26.226	289.33	------	.745
23	7.227	33.527	26.228	288.68	------	.744
24	7.227	33.527	26.227	288.08	------	.740
25	7.227	33.528	26.229	288.17	------	.739
26	7.228	33.529	26.229	287.81	------	.737
27	7.230	33.530	26.229	287.02	------	.732
28	7.237	33.531	26.230	287.13	------	.731
29	7.239	33.532	26.230	288.03	------	.730
30	7.239	33.533	26.230	287.71	------	.726
31	7.239	33.533	26.231	285.61	------	.729
32	7.239	33.534	26.231	285.75	------	.724
33	7.239	33.535	26.232	285.72	------	.725
34	7.239	33.534	26.232	287.70	------	.724
35	7.240	33.535	26.232	286.23	------	.723
36	7.240	33.535	26.232	287.25	------	.729
37	7.241	33.536	26.233	287.91	------	.728
38	7.242	33.536	26.232	287.40	------	.732
39	7.245	33.537	26.233	287.69	------	.732
40	7.246	33.538	26.233	286.31	------	.730
41	7.245	33.537	26.233	285.38	------	.736
42	7.247	33.538	26.233	286.25	------	.733

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	7.350	33.560	26.237	286.15	------	.732
44	7.473	33.596	26.247	287.03	------	.731
45	7.566	33.619	26.252	286.12	------	.724
46	7.615	33.623	26.248	283.49	------	.722
47	7.635	33.635	26.255	285.24	------	.718
48	7.637	33.633	26.253	285.34	------	.717
49	7.639	33.638	26.257	285.65	------	.717
50	7.636	33.635	26.255	283.70	------	.716
52	7.592	33.630	26.258	286.11	------	.712
54	7.580	33.629	26.258	285.87	------	.711
56	7.566	33.629	26.260	285.48	------	.710
58	7.584	33.638	26.265	286.73	------	.705
60	7.640	33.649	26.266	286.34	------	.703
62	7.629	33.658	26.274	285.23	------	.698
64	7.819	33.698	26.278	284.75	------	.695
66	8.080	33.755	26.284	285.62	------	.676
68	8.214	33.822	26.317	284.26	------	.633
70	8.284	33.899	26.367	280.46	------	.609
72	8.408	33.955	26.392	279.44	------	.596
74	8.595	34.037	26.428	275.33	------	.582
76	9.052	34.212	26.493	270.88	------	.573
78	9.308	34.319	26.536	269.05	------	.568
80	9.384	34.345	26.544	269.18	------	.566
81	9.418	34.354	26.545	268.59	------	.564
82	9.468	34.374	26.553	269.52	------	.563
83	9.498	34.383	26.555	268.53	------	.562
84	9.514	34.392	26.559	268.89	------	.561
85	9.529	34.397	26.560	269.72	------	.562
86	9.554	34.404	26.561	269.87	------	.560
87	9.579	34.413	26.565	269.99	------	.561
88	9.584	34.416	26.566	269.40	------	.560
89	9.587	34.416	26.566	269.82	------	.560
90	9.584	34.416	26.566	270.40	------	.559
91	9.586	34.417	26.567	270.86	------	.560
92	9.587	34.417	26.566	270.76	------	.558
93	9.588	34.416	26.566	271.12	------	.557

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
25	21 MAR 89	0305	37 41.28	74 20.61	92	90

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
1	7.392	33.553	26.225	283.18	------	.712
2	7.385	33.554	26.227	284.54	------	.708
3	7.386	33.553	26.226	297.92	------	.707
4	7.383	33.554	26.227	293.80	------	.708
5	7.380	33.555	26.228	295.03	------	.708
6	7.388	33.554	26.227	289.58	------	.708
7	7.388	33.555	26.227	289.50	------	.707
8	7.388	33.556	26.228	290.08	------	.709
9	7.390	33.556	26.228	292.54	------	.707
10	7.390	33.556	26.228	293.61	------	.707
11	7.390	33.557	26.228	291.74	------	.707
12	7.391	33.556	26.228	292.18	------	.707
13	7.390	33.557	26.228	291.18	------	.706
14	7.391	33.556	26.228	289.83	------	.708
15	7.391	33.557	26.228	291.22	------	.707
16	7.385	33.555	26.227	287.63	------	.707
17	7.384	33.555	26.228	287.57	------	.707
18	7.384	33.556	26.228	288.98	------	.707
19	7.385	33.555	26.228	288.69	------	.708
20	7.384	33.557	26.229	289.85	------	.707
21	7.381	33.555	26.228	291.21	------	.707
22	7.378	33.555	26.229	290.13	------	.709
23	7.366	33.551	26.227	285.88	------	.710
24	7.358	33.552	26.229	287.22	------	.708
25	7.352	33.552	26.230	290.06	------	.710
26	7.364	33.553	26.229	290.29	------	.710
27	7.369	33.552	26.227	289.24	------	.711
28	7.365	33.554	26.230	289.61	------	.708
29	7.356	33.551	26.229	289.92	------	.709
30	7.370	33.555	26.230	287.78	------	.708
31	7.368	33.553	26.228	287.52	------	.710
32	7.356	33.551	26.229	289.47	------	.709
33	7.352	33.552	26.230	288.54	------	.708
34	7.354	33.550	26.228	287.58	------	.709
35	7.349	33.550	26.229	285.92	------	.709
36	7.348	33.550	26.229	285.14	------	.710
37	7.345	33.551	26.230	285.21	------	.710
38	7.349	33.553	26.231	285.95	------	.709
39	7.347	33.549	26.228	287.92	------	.708
40	7.340	33.554	26.233	287.35	------	.708
41	7.338	33.549	26.229	287.81	------	.709

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
42	7.340	33.549	26.229	287.38	------	.708
43	7.321	33.548	26.231	286.15	------	.707
44	7.318	33.543	26.228	283.44	------	.708
45	7.286	33.541	26.230	281.53	------	.706
46	7.269	33.545	26.236	279.21	------	.702
47	7.269	33.546	26.236	283.98	------	.702
48	7.268	33.546	26.237	285.06	------	.701
49	7.268	33.547	26.237	283.17	------	.700
50	7.298	33.563	26.246	282.22	------	.700
52	7.408	33.588	26.250	277.99	------	.705
54	7.482	33.602	26.251	276.50	------	.712
56	7.520	33.612	26.253	272.50	------	.713
58	7.620	33.646	26.266	277.44	------	.709
60	7.760	33.677	26.271	272.35	------	.699
62	7.905	33.710	26.275	275.57	------	.697
64	8.030	33.755	26.292	271.30	------	.681
66	8.156	33.788	26.299	277.11	------	.690
68	8.142	33.786	26.300	272.71	------	.665
70	8.175	33.806	26.311	278.21	------	.659
72	8.262	33.847	26.330	264.29	------	.635
74	8.435	33.983	26.410	267.59	------	.592
76	8.667	34.100	26.466	258.90	------	.583
77	8.740	34.109	26.462	260.51	------	.584
78	8.776	34.115	26.460	262.92	------	.584
79	8.794	34.137	26.475	260.66	------	.585
80	8.921	34.192	26.498	262.37	------	.585
81	8.977	34.217	26.509	258.55	------	.584
82	9.043	34.225	26.504	259.61	------	.585
83	9.064	34.230	26.505	254.14	------	.591
84	9.081	34.233	26.505	255.00	------	.584
85	9.084	34.234	26.505	261.56	------	.582
86	9.096	34.236	26.505	261.00	------	.581
87	9.135	34.255	26.513	256.13	------	.580
88	9.172	34.273	26.522	259.38	------	.576
89	9.212	34.282	26.522	263.83	------	.575
90	9.235	34.287	26.523	265.21	------	.578

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
26	21 MAR 89	1416	36 48.70	74 28.87	1580	----

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
6	13.443	35.281	26.521	249.18	.486	.813
7	13.443	35.285	26.524	242.00	.508	.810
8	13.444	35.285	26.524	240.67	.494	.810
9	13.441	35.285	26.525	240.96	.486	.809
10	13.433	35.285	26.527	240.38	.563	.809
11	13.432	35.285	26.526	241.26	.556	.810
12	13.435	35.285	26.526	239.75	.521	.808
13	13.436	35.284	26.525	241.56	.524	.808
14	13.436	35.285	26.525	241.75	.529	.808
15	13.436	35.284	26.525	235.95	.525	.807
16	13.435	35.285	26.526	238.06	.521	.807
17	13.432	35.284	26.526	239.41	.558	.807
18	13.429	35.284	26.526	239.62	.587	.806
19	13.425	35.284	26.527	241.15	.528	.806
20	13.422	35.286	26.529	241.38	.507	.806
21	13.427	35.286	26.528	241.18	.514	.806
22	13.427	35.284	26.527	240.15	.554	.805
23	13.417	35.284	26.529	239.91	.558	.804
24	13.415	35.285	26.530	240.51	.528	.804
25	13.403	35.286	26.533	239.44	.515	.803
26	13.405	35.288	26.535	241.71	.494	.803
27	13.406	35.288	26.534	242.89	.517	.803
28	13.410	35.287	26.532	242.17	.528	.803
29	13.394	35.287	26.536	241.25	.533	.801
30	13.390	35.289	26.538	241.32	.502	.800
31	13.385	35.290	26.540	241.01	.516	.799
32	13.378	35.288	26.540	239.72	.514	.798
33	13.363	35.289	26.544	240.50	.489	.797
34	13.367	35.293	26.546	242.60	.501	.797
35	13.363	35.291	26.545	241.69	.515	.796
36	13.357	35.291	26.546	239.55	.597	.795
37	13.356	35.292	26.548	241.12	.524	.796
38	13.354	35.292	26.548	238.63	.476	.796
39	13.353	35.292	26.548	239.06	.492	.794
40	13.346	35.294	26.551	241.46	.492	.793
41	13.341	35.292	26.551	241.80	.477	.793
42	13.332	35.292	26.553	240.28	.486	.788
43	13.315	35.290	26.554	240.68	.476	.783
44	13.316	35.292	26.556	240.57	.476	.783
45	13.317	35.294	26.557	240.03	.479	.784
46	13.313	35.291	26.556	241.87	.512	.780

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
47	13.287	35.288	26.559	238.39	.503	.766
48	13.255	35.283	26.562	235.54	.480	.750
49	13.190	35.309	26.595	240.00	.356	.661
50	13.264	35.402	26.651	240.60	.294	.627
52	13.278	35.419	26.662	236.00	.229	.601
54	13.211	35.446	26.697	236.58	.187	.575
56	13.175	35.460	26.715	228.54	.147	.563
58	13.155	35.467	26.724	231.00	.128	.555
60	13.106	35.475	26.740	232.07	.111	.545
62	13.070	35.476	26.748	226.15	.089	.537
64	13.037	35.481	26.759	228.79	.083	.529
66	13.020	35.484	26.765	231.12	.066	.527
68	13.025	35.490	26.769	230.43	.061	.524
70	13.082	35.525	26.784	228.58	.056	.521
72	13.143	35.558	26.797	231.08	.050	.517
74	13.170	35.568	26.799	229.99	.045	.515
76	13.190	35.572	26.798	229.06	.043	.515
78	13.159	35.567	26.800	228.31	.043	.516
80	13.144	35.564	26.801	227.87	.049	.517
82	13.132	35.562	26.802	232.87	.046	.517
84	13.127	35.562	26.803	232.31	.051	.517
86	13.125	35.562	26.804	232.21	.049	.518
88	13.125	35.562	26.804	231.17	.052	.517
90	13.119	35.561	26.804	231.71	.050	.517
92	13.131	35.565	26.805	233.29	.049	.516
94	13.135	35.566	26.805	234.90	.049	.516
96	13.142	35.569	26.806	233.39	.044	.516
98	13.148	35.571	26.806	233.41	.052	.516
100	13.151	35.572	26.806	230.96	.048	.515
102	13.164	35.576	26.807	232.29	.041	.515
104	13.179	35.583	26.809	231.95	.045	.515
106	13.234	35.602	26.813	231.68	.040	.513
108	13.248	35.605	26.812	232.72	.043	.512
110	13.252	35.605	26.811	235.26	.043	.513
112	13.253	35.605	26.811	235.25	.053	.512
114	13.252	35.606	26.812	235.32	.043	.512
116	13.253	35.605	26.811	235.85	.046	.512
118	13.253	35.605	26.811	236.88	.044	.512
120	13.253	35.604	26.810	237.56	.044	.511
122	13.253	35.604	26.810	236.79	.042	.512
124	13.253	35.605	26.811	235.85	.040	.512
126	13.259	35.609	26.813	233.79	.050	.512
128	13.269	35.613	26.814	235.52	.050	.512
130	13.278	35.614	26.813	237.77	.044	.511
132	13.282	35.616	26.813	233.55	.049	.511
134	13.289	35.619	26.814	234.36	.048	.511
136	13.301	35.621	26.813	236.24	.048	.511
138	13.340	35.638	26.819	233.01	.044	.510
140	13.373	35.647	26.819	234.62	.037	.510
142	13.378	35.647	26.818	235.77	.038	.509
144	13.376	35.645	26.817	234.47	.036	.508

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
146	13.369	35.643	26.817	235.87	.037	.509
148	13.367	35.643	26.817	233.82	.037	.509
150	13.366	35.643	26.817	232.73	.038	.508
155	13.416	35.662	26.822	233.36	.040	.507
160	13.428	35.663	26.820	234.01	.035	.507
165	13.444	35.673	26.824	235.05	.034	.507
170	13.446	35.673	26.824	235.13	.035	.506
175	13.424	35.669	26.826	235.62	.039	.507
180	13.422	35.669	26.826	236.51	.039	.507
185	13.413	35.664	26.824	236.16	.035	.507
190	13.321	35.644	26.828	238.73	.043	.510
195	13.309	35.641	26.828	240.68	.045	.510
200	13.302	35.639	26.827	241.30	.049	.510
205	13.300	35.640	26.828	240.77	.042	.510
210	13.298	35.640	26.829	240.77	.044	.509
215	13.301	35.641	26.829	241.42	.044	.509
220	13.305	35.644	26.830	242.75	.045	.508
225	13.313	35.647	26.831	240.91	.046	.508
230	13.313	35.646	26.831	241.23	.046	.508
235	13.315	35.647	26.831	241.20	.047	.508
240	13.313	35.655	26.838	237.92	.040	.506
245	13.262	35.654	26.847	229.85	.037	.503
250	13.196	35.656	26.862	220.92	.041	.502
255	13.147	35.652	26.869	219.23	.037	.501
260	13.086	35.645	26.876	212.95	.032	.500
265	12.983	35.628	26.883	203.81	.031	.499
270	12.642	35.577	26.913	195.39	.034	.499
275	12.358	35.550	26.947	186.87	.030	.498
280	12.335	35.558	26.958	180.14	.029	.498
285	12.174	35.531	26.968	178.60	.030	.497
290	11.838	35.488	27.000	175.84	.027	.496
295	11.233	35.393	27.040	169.56	.026	.494
300	10.829	35.356	27.085	158.41	.027	.494
310	10.457	35.326	27.128	157.13	.025	.491
320	10.292	35.300	27.136	156.36	.025	.491
330	9.887	35.246	27.164	157.66	.025	.490
340	9.681	35.214	27.174	159.01	.024	.490
350	9.161	35.162	27.219	159.86	.027	.491
360	8.439	35.099	27.285	159.43	.026	.498
370	7.984	35.043	27.310	163.57	.028	.497
380	7.691	35.045	27.355	168.64	.025	.495
390	7.638	35.047	27.365	170.92	.026	.495
400	7.494	35.036	27.377	172.74	.026	.493
410	7.429	35.034	27.385	175.63	.024	.493
420	7.149	35.011	27.407	176.35	.025	.492
430	6.956	35.012	27.435	184.77	.027	.492
440	6.807	35.014	27.457	187.85	.023	.492
450	6.677	35.012	27.473	189.45	.025	.493
460	6.508	34.991	27.479	193.80	.026	.491
470	6.438	34.987	27.486	198.21	.029	.491
480	6.190	34.979	27.512	203.45	.019	.491

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
490	6.141	34.981	27.519	206.55	.024	.491
500	6.052	34.979	27.530	206.07	.024	.491
510	6.026	34.984	27.537	205.13	.023	.490
520	5.932	34.980	27.546	208.51	.022	.491
530	5.882	34.979	27.551	208.40	.022	.490
540	5.824	34.980	27.559	209.00	.025	.489
550	5.665	34.972	27.573	210.31	.021	.488
560	5.654	34.981	27.581	211.22	.024	.488
570	5.668	34.988	27.586	210.43	.022	.487
580	5.586	34.986	27.594	210.59	.022	.486
590	5.518	34.978	27.596	214.24	.022	.486
600	5.403	34.974	27.607	216.16	.021	.486
610	5.264	34.968	27.619	229.96	.023	.483
620	5.266	34.969	27.620	228.92	.023	.483
630	5.267	34.977	27.626	231.64	.023	.482
640	5.228	34.979	27.632	238.82	.022	.482
650	5.232	34.984	27.635	239.49	.021	.482
660	5.212	34.984	27.638	239.11	.020	.482
670	5.146	34.985	27.646	241.83	.020	.481
680	5.092	34.974	27.644	243.26	.025	.483
690	5.050	34.979	27.653	242.19	.022	.482
700	4.994	34.974	27.655	243.09	.023	.482
710	4.937	34.973	27.661	246.04	.023	.481
720	4.899	34.970	27.664	244.02	.022	.481
730	4.863	34.969	27.667	245.74	.018	.480
740	4.840	34.969	27.669	245.17	.022	.481
750	4.786	34.966	27.673	247.33	.025	.479
760	4.766	34.976	27.683	249.35	.019	.478
770	4.776	34.974	27.681	247.36	.019	.477
780	4.750	34.970	27.680	247.14	.023	.477
790	4.735	34.974	27.686	247.60	.020	.475
800	4.702	34.970	27.686	249.01	.019	.475
810	4.674	34.969	27.688	248.73	.023	.474
820	4.638	34.968	27.691	248.74	.022	.473
830	4.640	34.969	27.692	249.90	.021	.473
840	4.680	34.980	27.696	248.56	.022	.472
850	4.604	34.971	27.697	248.66	.019	.472
860	4.588	34.968	27.697	251.32	.019	.472
870	4.510	34.962	27.701	251.28	.020	.472
880	4.465	34.958	27.703	252.70	.019	.471
890	4.439	34.958	27.706	254.15	.016	.471
900	4.525	34.985	27.718	249.79	.019	.472
910	4.519	34.979	27.714	251.00	.023	.470
920	4.505	34.977	27.714	252.54	.018	.471
930	4.495	34.973	27.712	251.56	.022	.470
940	4.488	34.978	27.716	252.16	.021	.470
950	4.451	34.973	27.717	251.70	.019	.469
960	4.423	34.972	27.719	252.59	.023	.468
970	4.402	34.971	27.720	252.05	.017	.468
980	4.379	34.971	27.722	253.57	.018	.468
990	4.364	34.970	27.723	252.50	.019	.468

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
1000	4.355	34.968	27.723	252.30	.018	.467
1010	4.334	34.968	27.725	252.73	.021	.467
1020	4.322	34.967	27.726	255.24	.019	.467
1030	4.301	34.965	27.727	264.63	.017	.467
1040	4.285	34.965	27.728	269.69	.016	.468
1050	4.275	34.966	27.730	274.37	.018	.467
1060	4.263	34.963	27.729	270.67	.016	.466
1070	4.248	34.963	27.731	272.66	.019	.466
1080	4.241	34.962	27.731	273.54	.020	.466
1090	4.229	34.963	27.732	270.41	.016	.465
1100	4.204	34.959	27.732	270.67	.015	.466
1110	4.198	34.960	27.733	273.39	.018	.466
1120	4.182	34.960	27.735	272.16	.017	.464
1130	4.178	34.961	27.737	269.53	.017	.464
1140	4.177	34.963	27.738	272.24	.014	.464
1150	4.173	34.961	27.737	272.76	.016	.464
1160	4.157	34.960	27.738	272.62	.016	.464
1170	4.129	34.959	27.740	272.14	.019	.465
1180	4.116	34.960	27.742	274.98	.023	.463
1190	4.066	34.954	27.743	274.99	.019	.464
1200	4.056	34.956	27.745	274.88	.016	.465
1210	4.049	34.955	27.745	273.37	.013	.464
1220	4.040	34.956	27.747	273.42	.020	.464
1230	4.033	34.954	27.747	273.48	.017	.465
1240	4.027	34.953	27.746	271.95	.018	.465
1250	4.024	34.953	27.746	271.86	.015	.465
1260	4.025	34.955	27.748	274.41	.015	.464
1270	4.024	34.953	27.747	275.34	.018	.465
1280	4.020	34.954	27.747	276.06	.015	.464
1290	4.019	34.956	27.749	273.94	.019	.465
1300	4.008	34.950	27.746	272.67	.017	.464
1310	3.983	34.951	27.749	273.58	.017	.463
1320	3.976	34.952	27.751	273.55	.015	.464
1330	3.969	34.948	27.749	275.48	.016	.465
1340	3.961	34.952	27.752	274.48	.014	.465
1350	3.958	34.950	27.751	273.57	.015	.465
1360	3.953	34.950	27.752	273.69	.017	.465
1370	3.944	34.949	27.752	274.91	.018	.466
1380	3.939	34.948	27.751	274.00	.017	.466
1390	3.931	34.948	27.752	274.45	.016	.466
1400	3.921	34.948	27.753	275.30	.018	.466
1410	3.921	34.947	27.753	273.08	.020	.466
1420	3.920	34.947	27.753	271.28	.017	.466
1430	3.920	34.947	27.752	270.99	.015	.466
1440	3.913	34.949	27.755	270.42	.015	.466
1450	3.911	34.949	27.755	274.43	.013	.466
1460	3.908	34.949	27.756	271.45	.015	.466
1470	3.891	34.949	27.757	271.80	.016	.466
1480	3.888	34.946	27.755	272.71	.018	.465
1490	3.878	34.947	27.757	274.26	.018	.464
1500	3.873	34.949	27.759	271.45	.017	.465

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
27	21 MAR 89	1844	36 52.61	74 34.09	1117	----

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
3	11.063	34.553	26.416	277.84	.337	.717
4	11.065	34.551	26.415	276.74	.333	.714
5	11.066	34.555	26.417	275.00	.347	.713
6	11.070	34.558	26.419	273.32	.373	.715
7	11.070	34.557	26.418	273.81	.352	.716
8	11.070	34.557	26.418	273.89	.354	.716
9	11.069	34.558	26.419	271.98	.372	.716
10	11.067	34.559	26.420	272.35	.389	.713
11	11.065	34.559	26.421	272.61	.367	.713
12	11.065	34.561	26.422	270.41	.364	.712
13	11.067	34.561	26.422	270.48	.359	.712
14	11.066	34.563	26.424	271.76	.369	.711
15	11.067	34.561	26.422	270.21	.371	.711
16	11.067	34.561	26.422	267.68	.356	.710
17	11.068	34.563	26.424	267.65	.366	.708
18	11.070	34.565	26.425	269.32	.367	.708
19	11.069	34.564	26.424	269.66	.348	.708
20	11.072	34.564	26.424	268.33	.350	.707
21	11.071	34.564	26.423	268.07	.351	.708
22	11.070	34.564	26.424	269.53	.349	.707
23	11.069	34.565	26.425	268.67	.354	.707
24	11.071	34.565	26.424	267.27	.406	.707
25	11.073	34.565	26.424	270.29	.358	.706
26	11.072	34.565	26.424	271.75	.340	.706
27	11.072	34.565	26.424	272.40	.344	.707
28	11.075	34.567	26.425	272.46	.340	.706
29	11.073	34.567	26.426	271.29	.375	.705
30	11.070	34.565	26.424	269.17	.366	.705
31	11.072	34.568	26.427	269.54	.358	.705
32	11.080	34.576	26.432	267.75	.354	.704
33	11.113	34.588	26.434	267.98	.339	.707
34	11.110	34.580	26.429	267.05	.346	.706
35	11.139	34.601	26.440	268.23	.351	.710
36	11.165	34.604	26.438	269.70	.349	.711
37	11.174	34.604	26.436	271.69	.318	.714
38	11.215	34.622	26.442	269.06	.334	.715
39	11.247	34.632	26.444	269.39	.371	.718
40	11.264	34.616	26.429	270.61	.336	.717
41	11.281	34.634	26.440	270.92	.345	.722
42	11.327	34.645	26.440	269.02	.364	.722
43	11.382	34.661	26.442	269.41	.345	724

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
44	11.373	34.655	26.439	269.46	.360	.726
45	11.397	34.670	26.446	270.07	.363	.727
46	11.433	34.676	26.444	270.31	.356	.728
47	11.449	34.675	26.441	269.44	.357	.731
48	11.490	34.705	26.456	270.78	.350	.731
49	11.550	34.708	26.448	272.11	.353	.732
50	11.533	34.693	26.439	269.73	.354	.733
52	11.672	34.744	26.453	271.39	.357	.740
54	11.830	34.791	26.460	269.36	.375	.741
56	11.781	34.744	26.432	269.03	.354	.741
58	11.863	34.804	26.463	269.10	.419	.741
60	12.077	34.842	26.452	267.22	.374	.741
62	12.131	34.851	26.449	266.09	.361	.741
64	12.198	34.893	26.468	265.89	.370	.736
66	12.192	34.862	26.446	264.04	.388	.739
68	12.151	34.848	26.443	265.04	.378	.740
70	12.198	34.872	26.452	266.86	.378	.738
72	12.319	34.901	26.451	267.41	.354	.733
74	12.415	34.938	26.461	267.42	.339	.725
76	12.683	35.068	26.510	264.56	.351	.705
78	13.039	35.168	26.516	261.51	.261	.658
80	13.286	35.253	26.532	254.94	.183	.608
82	13.337	35.282	26.544	254.75	.141	.587
84	13.295	35.303	26.569	248.80	.118	.567
86	13.247	35.316	26.589	246.35	.106	.559
88	13.205	35.336	26.612	243.53	.088	.552
90	13.187	35.352	26.629	240.95	.089	.548
92	13.173	35.358	26.636	236.45	.081	.547
94	13.169	35.377	26.652	234.84	.080	.544
96	13.173	35.385	26.657	235.31	.065	.542
98	13.192	35.401	26.665	235.33	.068	.541
100	13.210	35.412	26.671	233.26	.064	.539
102	13.229	35.439	26.688	233.06	.062	.538
104	13.232	35.451	26.696	231.05	.060	.537
106	13.231	35.454	26.698	232.33	.060	.538
108	13.226	35.462	26.705	230.29	.056	.537
110	13.221	35.465	26.709	230.78	.057	.537
112	13.218	35.466	26.711	230.81	.056	.536
114	13.213	35.471	26.715	231.30	.056	.535
116	13.210	35.474	26.718	231.27	.054	.534
118	13.199	35.480	26.725	230.36	.054	.532
120	13.182	35.481	26.730	231.50	.048	.531
122	13.177	35.486	26.734	231.46	.051	.531
124	13.158	35.486	26.738	229.56	.046	.531
126	13.161	35.485	26.737	230.45	.042	.530
128	13.141	35.489	26.744	231.38	.045	.530
130	13.180	35.506	26.749	230.86	.044	.531
132	13.190	35.498	26.741	228.63	.047	.531
134	13.192	35.488	26.733	229.12	.049	.531
136	13.140	35.492	26.746	230.96	.050	.532
138	13.126	35.468	26.731	228.76	.045	.532

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
140	13.096	35.476	26.743	230.62	.051	.533
142	12.912	35.411	26.730	232.65	.046	.536
144	12.918	35.446	26.756	230.91	.045	.529
146	12.975	35.462	26.756	232.45	.044	.520
148	12.991	35.467	26.757	233.08	.039	.519
150	12.969	35.457	26.754	233.88	.039	.524
155	13.038	35.510	26.781	228.81	.042	.520
160	13.109	35.546	26.794	228.13	.036	.503
165	13.004	35.564	26.830	212.12	.028	.500
170	12.781	35.548	26.862	196.05	.024	.497
175	12.764	35.554	26.871	186.90	.026	.497
180	12.634	35.539	26.885	186.02	.025	.497
185	12.362	35.504	26.911	182.67	.028	.496
190	12.210	35.505	26.941	174.43	.027	.496
195	12.163	35.506	26.952	171.52	.026	.495
200	12.013	35.477	26.958	167.75	.028	.495
205	11.858	35.476	26.986	167.33	.025	.496
210	11.695	35.451	26.998	169.38	.026	.497
215	11.504	35.438	27.024	176.33	.030	.498
220	11.038	35.391	27.074	173.93	.027	.495
225	10.681	35.324	27.086	170.24	.024	.494
230	10.395	35.318	27.132	164.88	.027	.494
235	10.155	35.271	27.137	162.17	.023	.494
240	9.748	35.224	27.170	161.34	.022	.492
245	9.261	35.157	27.199	161.97	.026	.490
250	9.064	35.135	27.214	161.11	.027	.490
255	8.821	35.090	27.218	162.80	.027	.487
260	8.629	35.072	27.234	167.02	.024	.486
265	8.521	35.077	27.255	170.08	.021	.490
270	8.302	35.032	27.254	173.13	.026	.483
275	8.244	35.032	27.262	174.84	.025	.482
280	8.195	35.025	27.264	173.49	.024	.485
285	8.165	35.023	27.267	173.00	.027	.484
290	8.084	35.021	27.278	176.70	.024	.483
295	8.051	35.018	27.281	174.64	.027	.483
300	8.009	35.026	27.293	175.66	.022	.485
310	7.957	35.035	27.308	175.31	.026	.486
320	7.909	35.052	27.328	169.91	.022	.487
330	7.864	35.063	27.344	174.05	.026	.487
340	7.718	35.054	27.359	176.67	.023	.487
350	7.576	35.047	27.374	175.23	.021	.493
360	7.475	35.039	27.382	178.53	.025	.488
370	7.386	35.032	27.390	181.42	.023	.488
380	7.322	35.032	27.399	182.80	.020	.497
390	7.199	35.037	27.420	188.15	.021	.497
400	7.163	35.039	27.427	188.59	.025	.498
410	7.099	35.035	27.433	190.87	.020	.496
420	6.951	34.995	27.422	193.12	.027	.492
430	6.731	35.003	27.459	195.39	.023	.487
440	6.593	34.995	27.471	195.24	.027	.486
450	6.369	34.990	27.497	201.36	.022	.485

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
460	6.302	34.986	27.503	200.96	.024	.484
470	6.158	34.989	27.524	203.16	.019	.487
480	6.099	34.988	27.531	204.65	.025	.487
490	6.012	34.992	27.545	206.23	.023	.490
500	5.957	34.991	27.552	205.84	.022	.490
510	5.900	34.992	27.559	207.52	.023	.490
520	5.873	34.992	27.563	206.35	.021	.490
530	5.726	34.988	27.578	208.30	.022	.490
540	5.659	34.988	27.586	209.53	.021	.489
550	5.611	34.986	27.591	210.38	.023	.489
560	5.564	34.984	27.595	218.14	.020	.488
570	5.505	34.985	27.603	226.13	.021	.487
580	5.414	34.981	27.611	227.33	.021	.488
590	5.372	34.980	27.615	230.77	.024	.487
600	5.336	34.979	27.619	234.81	.024	.485
610	5.313	34.978	27.621	239.81	.020	.486
620	5.308	34.979	27.623	239.09	.022	.487
630	5.292	34.975	27.621	238.58	.019	.486
640	5.248	34.977	27.628	238.33	.021	.482
650	5.220	34.978	27.632	239.90	.026	.482
660	5.207	34.978	27.634	239.96	.023	.481
670	5.206	34.976	27.633	239.42	.020	.481
680	5.153	34.977	27.639	239.52	.022	.478
690	5.111	34.978	27.645	239.80	.019	.478
700	5.084	34.978	27.648	241.02	.020	.477
710	5.032	34.984	27.659	243.24	.022	.477
720	4.881	34.972	27.667	245.71	.022	.474
730	4.865	34.977	27.673	247.12	.022	.474
740	4.847	34.974	27.673	246.77	.020	.475
750	4.782	34.970	27.677	247.63	.021	.473
760	4.752	34.969	27.680	248.48	.020	.473
770	4.744	34.972	27.682	249.66	.022	.472
780	4.699	34.971	27.687	248.83	.022	.472
790	4.683	34.972	27.690	249.10	.017	.472
800	4.676	34.974	27.692	249.47	.018	.474
810	4.709	34.983	27.696	246.72	.020	.490
820	4.699	34.983	27.696	246.73	.018	.488
830	4.680	34.981	27.697	248.23	.017	.490
840	4.648	34.982	27.702	247.09	.020	.488
850	4.643	34.982	27.702	248.49	.018	.488
860	4.619	34.980	27.703	249.78	.019	.484
870	4.611	34.978	27.702	248.85	.019	.485
880	4.579	34.979	27.707	249.97	.023	.481
890	4.556	34.979	27.709	248.77	.019	.481
900	4.546	34.978	27.710	249.58	.022	.481
910	4.535	34.978	27.711	250.46	.020	.481
920	4.535	34.976	27.710	250.57	.021	.480
930	4.533	34.978	27.711	250.07	.019	.480
940	4.531	34.977	27.711	248.22	.017	.479
950	4.523	34.976	27.711	248.65	.019	.478
960	4.518	34.976	27.711	248.00	.021	.479

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
970	4.510	34.976	27.712	248.98	.021	.479
980	4.503	34.976	27.713	247.54	.018	.478
990	4.499	34.975	27.713	250.37	.022	.478
1000	4.500	34.975	27.712	247.63	.018	.478

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
28	21 MAR 89	2126	36 53.14	74 38.42	180	----

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
3	11.041	34.537	26.408	286.69	.412	.740
4	11.041	34.537	26.408	287.23	.424	.740
5	11.044	34.537	26.407	288.20	.423	.740
6	11.045	34.536	26.407	289.94	.418	.740
7	11.045	34.537	26.407	289.38	.415	.739
8	11.048	34.538	26.408	290.04	.423	.740
9	11.051	34.537	26.406	290.45	.432	.738
10	11.051	34.538	26.407	290.39	.420	.738
11	11.051	34.538	26.407	291.04	.428	.738
12	11.053	34.538	26.407	289.15	.423	.738
13	11.060	34.542	26.408	290.28	.412	.736
14	11.062	34.541	26.407	291.66	.401	.735
15	11.059	34.541	26.408	292.05	.408	.737
16	11.061	34.543	26.409	292.37	.432	.735
17	11.064	34.542	26.408	292.16	.417	.734
18	11.065	34.543	26.408	292.82	.419	.736
19	11.071	34.547	26.410	292.32	.410	.734
20	11.073	34.545	26.409	291.53	.408	.733
21	11.069	34.543	26.407	290.10	.422	.736
22	11.079	34.555	26.415	290.05	.426	.732
23	11.101	34.567	26.420	291.91	.398	.731
24	11.147	34.589	26.429	291.99	.399	.729
25	11.160	34.575	26.416	290.43	.412	.724
26	11.171	34.579	26.417	291.01	.395	.723
27	11.203	34.593	26.422	289.60	.402	.723
28	11.285	34.626	26.433	289.68	.409	.718
29	11.310	34.629	26.430	290.79	.430	.716
30	11.342	34.647	26.439	289.23	.379	.714
31	11.402	34.656	26.435	288.64	.368	.710
32	11.419	34.664	26.437	287.55	.367	.708
33	11.433	34.669	26.439	288.58	.356	.707
34	11.458	34.680	26.443	285.63	.353	.704
35	11.480	34.686	26.444	285.13	.367	.703
36	11.465	34.674	26.437	285.40	.348	.704
37	11.453	34.669	26.435	285.69	.364	.706
38	11.475	34.685	26.444	286.02	.357	.701
39	11.479	34.686	26.444	286.10	.376	.702
40	11.533	34.719	26.459	286.39	.381	.698
41	11.548	34.715	26.454	286.92	.369	.698
42	11.535	34.704	26.448	286.19	.348	.695
43	11.506	34.690	26.442	287.70	.326	.693

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
44	11.461	34.665	26.431	287.87	.301	.689
45	11.337	34.651	26.443	287.70	.291	.676
46	11.268	34.642	26.448	285.63	.273	.666
47	11.239	34.645	26.456	286.56	.269	.659
48	11.231	34.652	26.463	286.31	.272	.653
49	11.225	34.661	26.471	284.16	.239	.646
50	11.240	34.681	26.484	283.13	.219	.637
52	11.298	34.715	26.500	281.43	.203	.623
54	11.490	34.862	26.578	278.57	.158	.606
56	11.725	34.904	26.567	275.09	.130	.592
58	12.069	35.037	26.606	267.55	.104	.576
60	12.171	35.087	26.624	264.98	.089	.571
62	12.210	35.095	26.623	261.22	.081	.568
64	12.281	35.136	26.641	261.11	.079	.570
66	12.469	35.220	26.669	256.42	.055	.555
68	12.482	35.210	26.659	255.95	.054	.530
70	12.358	35.193	26.671	256.66	.045	.521
72	12.299	35.202	26.689	256.70	.041	.521
74	12.214	35.156	26.670	254.72	.042	.520
76	11.961	35.107	26.680	252.59	.043	.520
78	11.947	35.148	26.715	249.69	.044	.520
80	12.267	35.275	26.752	248.39	.043	.522
82	12.396	35.270	26.723	245.39	.043	.525
84	12.447	35.281	26.721	242.92	.039	.532
86	12.454	35.289	26.726	243.81	.040	.533
88	12.460	35.291	26.727	240.36	.035	.533
90	12.461	35.293	26.728	241.33	.041	.531
92	12.522	35.334	26.748	239.15	.036	.524
94	12.568	35.341	26.744	237.91	.039	.532
96	12.617	35.355	26.745	237.54	.038	.538
98	12.640	35.366	26.749	237.43	.039	.539
100	12.649	35.368	26.749	234.90	.039	.539
102	12.652	35.369	26.749	236.20	.035	.538
104	12.654	35.372	26.751	235.52	.035	.538
106	12.656	35.373	26.752	236.64	.033	.537
108	12.655	35.374	26.753	235.89	.036	.538
110	12.652	35.374	26.753	235.22	.036	.537
112	12.652	35.375	26.754	233.83	.040	.538
114	12.651	35.375	26.754	232.99	.039	.535
116	12.653	35.378	26.756	233.43	.038	.536
118	12.664	35.387	26.761	231.34	.036	.535
120	12.666	35.390	26.763	228.48	.035	.530
122	12.664	35.391	26.764	228.91	.036	.530
124	12.666	35.394	26.766	229.20	.033	.530
126	12.660	35.393	26.767	228.43	.030	.531
128	12.658	35.394	26.767	225.67	.040	.531
130	12.655	35.392	26.766	225.78	.040	.530
132	12.656	35.393	26.767	228.46	.040	.531
134	12.651	35.392	26.767	226.58	.034	.531
136	12.632	35.389	26.769	227.04	.036	.532
138	12.618	35.387	26.770	226.10	.040	.531

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
140	12.601	35.378	26.766	226.45	.038	.531
142	12.478	35.355	26.773	225.64	.034	.528
144	12.423	35.338	26.770	226.50	.036	.526
146	12.371	35.331	26.775	225.73	.037	.524
148	12.441	35.381	26.800	225.19	.034	.523
150	12.492	35.413	26.815	222.17	.032	.524
155	12.566	35.452	26.831	217.93	.031	.523
160	12.539	35.432	26.820	211.25	.035	.526

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
29	21 MAR 89	2330	36 55.69	74 44.88	78	76

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
28	10.224	34.337	26.397	283.43	------	.681
29	10.395	34.376	26.397	281.90	------	.668
30	10.466	34.424	26.423	282.81	------	.661
31	10.424	34.380	26.395	279.49	------	.666
32	10.794	34.593	26.496	278.52	------	.641
33	11.086	34.642	26.482	279.46	------	.614
34	11.108	34.609	26.452	274.05	------	.613
35	11.241	34.677	26.481	273.02	------	.605
36	11.534	34.760	26.491	273.11	------	.596
37	11.608	34.777	26.491	270.21	------	.584
38	11.628	34.790	26.497	270.74	------	.578
39	11.704	34.830	26.513	271.15	------	.579
40	11.588	34.763	26.483	272.36	------	.575
41	11.368	34.705	26.479	272.06	------	.569
42	11.286	34.724	26.509	273.52	------	.566
43	11.434	34.807	26.546	272.84	------	.565
44	11.731	34.922	26.580	270.43	------	.565
45	11.912	34.948	26.566	270.32	------	.563
46	11.843	34.947	26.579	267.47	------	.559
47	11.768	34.935	26.583	265.79	------	.558
48	11.662	34.921	26.593	263.43	------	.556
49	11.594	34.923	26.607	263.61	------	.554
50	11.597	34.951	26.628	262.77	------	.556
52	11.715	35.025	26.663	258.46	------	.561
54	11.846	35.049	26.657	253.79	------	.572
56	11.877	35.057	26.657	253.21	------	.575
58	11.938	35.097	26.677	252.99	------	.582
60	12.072	35.165	26.704	246.94	------	.590
62	12.228	35.221	26.718	241.15	------	.597
63	12.298	35.246	26.723	239.64	------	.598
64	12.347	35.267	26.730	238.79	------	.596
65	12.391	35.284	26.734	236.54	------	.595
66	12.434	35.302	26.740	234.81	------	.594
67	12.455	35.311	26.743	234.62	------	.601
68	12.451	35.315	26.747	232.58	------	.635
69	12.443	35.317	26.750	232.52	------	.646
70	12.441	35.318	26.751	233.19	------	.656
71	12.436	35.319	26.753	233.74	------	.667
72	12.439	35.321	26.754	232.63	------	.656
73	12.439	35.321	26.754	229.71	------	.653
74	12.440	35.322	26.754	231.45	------	.655

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
75	12.440	35.321	26.754	231.94	------	.654
76	12.439	35.321	26.754	231.10	------	.651
77	12.441	35.323	26.755	228.62	------	.641

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
30	22 MAR 89	0104	36 58.47	74 49.89	58	56

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
4	9.330	34.058	26.328	298.48	.004	.750
5	9.333	34.064	26.332	297.77	.004	.707
6	9.348	34.060	26.327	296.85	.004	.705
7	9.351	34.059	26.325	297.39	.004	.704
8	9.353	34.059	26.325	299.32	.004	.705
9	9.351	34.059	26.325	297.05	.004	.705
10	9.353	34.060	26.326	297.48	.004	.705
11	9.356	34.061	26.326	297.55	.004	.704
12	9.356	34.062	26.327	297.56	.004	.704
13	9.356	34.062	26.327	292.21	.004	.703
14	9.355	34.059	26.325	281.69	.004	.704
15	9.357	34.061	26.326	283.77	.004	.704
16	9.355	34.061	26.326	282.11	.004	.703
17	9.364	34.063	26.326	281.69	.004	.701
18	9.405	34.075	26.329	282.41	.004	.697
19	9.403	34.072	26.327	282.91	.004	.697
20	9.396	34.071	26.328	283.10	.004	.699
21	9.388	34.069	26.327	282.03	.004	.700
22	9.380	34.064	26.324	283.20	.004	.702
23	9.380	34.067	26.326	282.68	.004	.702
24	9.387	34.069	26.327	282.71	.004	.699
25	9.386	34.068	26.327	284.31	.004	.699
26	9.391	34.070	26.328	284.24	.004	.699
27	9.378	34.062	26.323	282.61	.004	.700
28	9.372	34.063	26.325	284.88	.004	.701
29	9.381	34.070	26.329	283.33	.004	.697
30	9.369	34.061	26.324	283.73	.004	.701
31	9.357	34.057	26.323	285.00	.004	.703
32	9.405	34.081	26.334	283.92	.004	.696
33	9.433	34.081	26.329	282.89	.004	.691
34	9.427	34.079	26.328	282.44	.004	.693
35	9.415	34.074	26.327	284.23	.004	.696
36	9.386	34.063	26.323	286.07	.004	.698
37	9.381	34.069	26.328	287.47	.004	.700
38	9.449	34.093	26.336	286.48	.004	.694
39	9.480	34.103	26.338	285.46	.004	.686
40	9.498	34.110	26.341	283.91	.004	.681
41	9.515	34.117	26.344	284.39	.004	.678
42	9.554	34.130	26.347	284.81	.004	.677
43	9.539	34.132	26.352	285.23	.004	.677
44	9.566	34.145	26.358	285.21	.004	.673

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
45	9.598	34.158	26.362	285.01	.004	.669
46	9.730	34.223	26.391	282.75	.004	.652
47	9.987	34.370	26.463	279.48	.004	.626
48	10.210	34.411	26.456	275.32	.004	.610
49	10.230	34.415	26.456	274.88	.004	.610
50	10.235	34.414	26.455	275.40	.004	.610
51	10.240	34.417	26.456	276.70	.004	.610
52	10.259	34.434	26.466	277.03	.004	.609
53	10.296	34.444	26.468	275.30	.004	.607
54	10.324	34.459	26.474	275.81	.004	.605
55	10.349	34.463	26.473	274.53	.004	.603
56	10.362	34.469	26.475	275.10	.004	.603
57	10.371	34.472	26.476	275.46	.004	.602

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
31	22 MAR 89	0234	37 1.64	74 55.92	47	45

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
4	7.540	33.574	26.221	317.42	------	.892
5	7.538	33.573	26.220	316.66	------	.887
6	7.532	33.570	26.219	314.93	------	.887
7	7.531	33.570	26.219	314.34	------	.887
8	7.531	33.571	26.220	311.87	------	.888
9	7.535	33.572	26.220	311.12	------	.885
10	7.534	33.573	26.220	313.30	------	.887
11	7.533	33.571	26.219	311.86	------	.886
12	7.534	33.571	26.219	312.09	------	.888
13	7.533	33.571	26.219	312.78	------	.887
14	7.556	33.585	26.227	312.63	------	.878
15	7.570	33.590	26.229	312.69	------	.869
16	7.585	33.600	26.235	312.61	------	.861
17	7.590	33.598	26.233	313.36	------	.859
18	7.601	33.604	26.236	313.96	------	.855
19	7.612	33.605	26.235	313.80	------	.849
20	7.618	33.610	26.238	313.85	------	.847
21	7.615	33.607	26.236	314.10	------	.848
22	7.613	33.605	26.235	314.92	------	.849
23	7.610	33.602	26.233	316.63	------	.850
24	7.615	33.610	26.238	316.67	------	.848
25	7.615	33.606	26.235	317.82	------	.847
26	7.635	33.623	26.246	315.92	------	.830
27	7.629	33.615	26.240	314.57	------	.837
28	7.652	33.637	26.254	316.00	------	.810
29	7.670	33.652	26.264	315.53	------	.788
30	7.682	33.661	26.269	314.12	------	.767
31	7.685	33.664	26.271	314.41	------	.766
32	7.690	33.672	26.277	314.39	------	.752
33	7.693	33.671	26.275	313.12	------	.748
34	7.699	33.684	26.285	312.31	------	.733
35	7.713	33.695	26.291	311.59	------	.704
36	7.737	33.726	26.312	310.94	------	.664
37	7.741	33.732	26.316	309.42	------	.654
38	7.743	33.736	26.319	304.71	------	.652
39	7.745	33.738	26.320	303.85	------	.646
40	7.743	33.736	26.319	301.97	------	.649
41	7.744	33.738	26.320	298.67	------	.645
42	7.747	33.740	26.321	298.34	------	.643
43	7.746	33.740	26.322	297.20	------	.644
44	7.747	33.739	26.320	294.74	------	.644

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
45	7.749	33.739	26.321	295.12	------	.642

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
32	22 MAR 89	0340	37 3.98	75 1.85	40	38

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
3	6.750	33.349	26.152	312.92	------	.893
4	6.747	33.350	26.153	314.15	------	.886
5	6.747	33.349	26.152	313.90	------	.882
6	6.746	33.350	26.153	313.98	------	.882
7	6.745	33.350	26.154	312.81	------	.883
8	6.746	33.351	26.154	313.24	------	.884
9	6.746	33.350	26.154	313.19	------	.883
10	6.746	33.350	26.153	312.92	------	.885
11	6.745	33.350	26.154	314.80	------	.882
12	6.745	33.350	26.153	314.36	------	.882
13	6.746	33.349	26.153	313.34	------	.885
14	6.745	33.349	26.153	313.80	------	.883
15	6.744	33.349	26.153	315.55	------	.882
16	6.744	33.350	26.154	314.62	------	.883
17	6.744	33.349	26.153	313.40	------	.884
18	6.745	33.353	26.156	313.64	------	.883
19	6.747	33.355	26.158	314.33	------	.880
20	6.747	33.356	26.158	314.98	------	.879
21	6.747	33.356	26.158	314.42	------	.879
22	6.749	33.360	26.161	314.61	------	.877
23	6.749	33.359	26.160	315.08	------	.876
24	6.749	33.361	26.162	314.22	------	.875
25	6.750	33.361	26.161	313.76	------	.874
26	6.748	33.368	26.167	314.02	------	.869
27	6.745	33.372	26.171	314.10	------	.860
28	6.740	33.378	26.176	314.39	------	.850
29	6.731	33.386	26.184	315.58	------	.838
30	6.727	33.389	26.187	315.03	------	.829
31	6.708	33.405	26.202	313.10	------	.797
32	6.680	33.429	26.224	312.49	------	.760
33	6.647	33.462	26.254	310.00	------	.710
34	6.640	33.471	26.263	309.32	------	.697
35	6.639	33.473	26.264	308.90	------	.696
36	6.639	33.475	26.266	308.24	------	.698
37	6.639	33.474	26.265	308.34	------	.695
38	6.641	33.475	26.266	307.91	------	.696
39	6.641	33.474	26.265	307.99	------	.696

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
33	22 MAR 89	0845	37 6.11	75 7.99	35	33

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	6.623	33.289	26.122	313.13	------	------
3	6.625	33.291	26.123	315.42	------	.905
4	6.625	33.292	26.123	313.74	------	.904
5	6.626	33.291	26.123	313.51	------	.904
6	6.626	33.291	26.123	312.94	------	.904
7	6.627	33.290	26.122	309.78	------	.903
8	6.627	33.290	26.122	309.70	------	.906
9	6.628	33.291	26.122	312.07	------	.902
10	6.629	33.289	26.121	313.43	------	.903
11	6.629	33.290	26.121	315.67	------	.903
12	6.630	33.289	26.121	315.49	------	.903
13	6.630	33.289	26.121	316.33	------	.903
14	6.627	33.291	26.123	316.78	------	.904
15	6.625	33.293	26.124	316.66	------	.896
16	6.628	33.291	26.122	316.60	------	.901
17	6.629	33.289	26.121	315.94	------	.900
18	6.627	33.288	26.120	315.32	------	.902
19	6.625	33.290	26.122	314.78	------	.901
20	6.626	33.288	26.121	314.49	------	.901
21	6.627	33.290	26.122	316.40	------	.898
22	6.625	33.292	26.123	317.79	------	.896
23	6.624	33.293	26.125	316.89	------	.895
24	6.624	33.293	26.124	317.10	------	.891
25	6.625	33.292	26.124	317.37	------	.892
26	6.625	33.292	26.124	317.82	------	.892
27	6.622	33.293	26.125	316.92	------	.884
28	6.616	33.297	26.129	316.80	------	.881
29	6.608	33.299	26.132	317.98	------	.867
30	6.607	33.300	26.132	317.21	------	.869
31	6.606	33.300	26.133	316.13	------	.865
32	6.605	33.301	26.133	316.10	------	.862
33	6.605	33.300	26.133	315.47	------	.861

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
34	22 MAR 89	0954	37 9.05	75 13.08	31	29

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
3	6.467	33.268	26.125	320.16	------	.902
4	6.470	33.265	26.123	320.98	------	.891
5	6.472	33.265	26.122	322.31	------	.896
6	6.469	33.265	26.123	322.05	------	.893
7	6.472	33.265	26.122	322.98	------	.894
8	6.474	33.265	26.122	322.47	------	.892
9	6.474	33.265	26.122	322.73	------	.894
10	6.474	33.265	26.122	322.38	------	.894
11	6.471	33.264	26.122	323.24	------	.892
12	6.471	33.265	26.122	323.56	------	.893
13	6.472	33.266	26.123	324.27	------	.894
14	6.474	33.265	26.122	322.70	------	.893
15	6.474	33.265	26.122	319.50	------	.893
16	6.473	33.267	26.123	309.44	------	.893
17	6.473	33.266	26.123	305.77	------	.891
18	6.473	33.266	26.123	306.28	------	.892
19	6.475	33.265	26.122	305.44	------	.892
20	6.476	33.265	26.122	304.79	------	.892
21	6.476	33.265	26.121	303.38	------	.893
22	6.476	33.264	26.121	302.50	------	.892
23	6.474	33.265	26.122	303.50	------	.891
24	6.477	33.264	26.121	303.76	------	.891
25	6.478	33.265	26.121	305.09	------	.893
26	6.478	33.265	26.121	304.68	------	.893
27	6.478	33.265	26.122	304.80	------	.892
28	6.478	33.265	26.121	305.92	------	.892
29	6.479	33.265	26.122	307.83	------	.892
30	6.480	33.264	26.120	307.06	------	.895

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
35	22 MAR 89	1107	37 12.08	75 19.57	28	26

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	6.835	33.339	26.133	307.52	------	.943
3	6.837	33.337	26.131	308.77	------	.945
4	6.840	33.335	26.129	313.80	------	.950
5	6.842	33.335	26.129	321.45	------	.954
6	6.847	33.336	26.129	321.47	------	.947
7	6.851	33.339	26.131	317.82	------	.945
8	6.847	33.333	26.126	305.73	------	.945
9	6.845	33.332	26.126	301.91	------	.944
10	6.844	33.334	26.128	303.49	------	.944
11	6.844	33.333	26.127	305.24	------	.944
12	6.845	33.333	26.127	304.17	------	.944
13	6.845	33.334	26.127	303.71	------	.945
14	6.845	33.336	26.129	305.29	------	.945
15	6.846	33.338	26.131	305.88	------	.944
16	6.847	33.338	26.130	305.18	------	.944
17	6.855	33.346	26.136	306.29	------	.942
18	6.857	33.346	26.135	305.32	------	.943
19	6.856	33.345	26.135	303.59	------	.945
20	6.857	33.345	26.135	303.95	------	.943
21	6.859	33.351	26.139	305.33	------	.941
22	6.862	33.354	26.141	304.55	------	.942
23	6.862	33.353	26.140	304.85	------	.940
24	6.861	33.354	26.142	306.06	------	.940
25	6.862	33.366	26.151	304.89	------	.936
26	6.862	33.369	26.153	302.69	------	.934
27	6.861	33.371	26.154	302.79	------	.936

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
36	22 MAR 89	1335	37 21.18	74 59.75	39	37

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
4	6.393	33.283	26.146	-------	------	.879
5	6.387	33.285	26.149	327.64	------	.881
6	6.397	33.282	26.146	328.69	------	.879
7	6.392	33.280	26.144	325.64	------	.878
8	6.397	33.279	26.143	319.32	------	.873
9	6.401	33.277	26.141	312.07	------	.873
10	6.400	33.279	26.142	312.87	------	.873
11	6.400	33.279	26.143	312.83	------	.873
12	6.401	33.279	26.142	315.49	------	.873
13	6.401	33.278	26.142	316.49	------	.876
14	6.402	33.278	26.141	319.31	------	.875
15	6.402	33.279	26.142	316.70	------	.875
16	6.401	33.280	26.143	313.14	------	.870
17	6.402	33.279	26.142	311.97	------	.873
18	6.402	33.278	26.142	319.09	------	.874
19	6.402	33.280	26.143	319.43	------	.869
20	6.402	33.282	26.144	321.22	------	.867
21	6.402	33.281	26.144	322.98	------	.864
22	6.400	33.285	26.147	321.71	------	.860
23	6.398	33.286	26.149	317.81	------	.858
24	6.398	33.286	26.148	321.81	------	.857
25	6.399	33.285	26.148	325.16	------	.856
26	6.398	33.287	26.149	320.56	------	.855
27	6.397	33.288	26.150	311.86	------	.854
28	6.395	33.290	26.152	306.22	------	.849
29	6.394	33.291	26.152	305.74	------	.850
30	6.389	33.296	26.157	307.40	------	.837
31	6.387	33.298	26.159	306.80	------	.832
32	6.383	33.300	26.161	309.25	------	.830
33	6.383	33.301	26.162	310.04	------	.829
34	6.381	33.301	26.162	311.15	------	.826
35	6.378	33.302	26.164	310.43	------	.825
36	6.376	33.304	26.165	310.51	------	.822
37	6.371	33.307	26.168	310.67	------	.817

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
37	22 MAR 89	2124	37 32.62	74 27.27	79	77

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	7.175	33.490	26.205	322.13	.288	.752
3	7.184	33.486	26.201	323.81	.293	.749
4	7.188	33.484	26.199	326.90	.297	.743
5	7.188	33.485	26.200	328.93	.304	.741
6	7.190	33.483	26.198	328.37	.309	.661
7	7.188	33.483	26.199	330.01	.300	.644
8	7.188	33.485	26.200	329.01	.295	.740
9	7.190	33.485	26.199	321.69	.316	.740
10	7.190	33.485	26.200	313.26	.362	.738
11	7.190	33.485	26.200	311.26	.352	.737
12	7.190	33.485	26.200	308.94	.359	.739
13	7.190	33.487	26.201	308.30	.383	.736
14	7.191	33.486	26.200	307.97	.373	.735
15	7.191	33.485	26.200	309.09	.399	.735
16	7.191	33.486	26.200	309.86	.388	.676
17	7.191	33.486	26.201	309.90	.410	.655
18	7.192	33.486	26.200	310.20	.379	.733
19	7.193	33.487	26.201	310.57	.364	.731
20	7.197	33.490	26.203	309.34	.358	.729
21	7.210	33.497	26.206	308.97	.366	.726
22	7.211	33.493	26.203	309.82	.373	.725
23	7.209	33.491	26.202	309.96	.363	.727
24	7.202	33.490	26.202	310.53	.353	.727
25	7.202	33.489	26.201	310.49	.361	.728
26	7.199	33.487	26.200	310.46	.360	.729
27	7.205	33.489	26.201	309.91	.366	.729
28	7.207	33.492	26.203	310.52	.368	.727
29	7.207	33.490	26.201	310.57	.367	.727
30	7.242	33.508	26.211	310.02	.355	.720
31	7.251	33.509	26.210	309.68	.353	.718
32	7.299	33.526	26.217	312.22	.347	.713
33	7.344	33.562	26.239	312.43	.324	.706
34	7.417	33.582	26.245	312.52	.325	.696
35	7.461	33.589	26.244	312.25	.321	.682
36	7.477	33.591	26.243	312.66	.303	.494
37	7.491	33.599	26.247	312.31	.294	.677
38	7.505	33.606	26.250	310.86	.287	.674
39	7.527	33.615	26.255	309.64	.286	.671
40	7.547	33.622	26.258	309.49	.287	.615
41	7.581	33.631	26.260	310.66	.269	.660
42	7.603	33.650	26.272	311.74	.256	.653

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	7.644	33.699	26.304	308.82	.249	.644
44	7.800	33.839	26.392	308.79	.220	.627
45	7.917	33.888	26.413	308.02	.167	.605
46	8.044	33.924	26.423	303.29	.148	.589
47	8.141	33.966	26.441	301.95	.134	.589
48	8.173	33.993	26.457	302.34	.142	.588
49	8.210	34.040	26.489	303.73	.141	.588
50	8.238	33.972	26.432	304.93	.160	.588
52	8.257	33.979	26.434	303.29	.142	.587
54	8.439	34.065	26.474	299.99	.149	.585
56	8.587	34.102	26.480	300.67	.123	.582
58	8.761	34.181	26.514	301.68	.124	.577
60	8.788	34.161	26.495	299.00	.109	.577
62	8.813	34.169	26.498	297.04	.128	.576
64	8.843	34.181	26.502	299.05	.114	.575
65	8.844	34.170	26.493	300.08	.112	.574
66	8.881	34.202	26.512	299.98	.112	.573
67	8.919	34.246	26.541	300.19	.103	.573
68	9.109	34.331	26.577	302.51	.102	.568
69	9.252	34.334	26.556	302.51	.093	.565
70	9.439	34.456	26.622	301.03	.085	.563
71	9.721	34.587	26.677	300.67	.083	.562
72	9.868	34.510	26.592	298.32	.093	.558
73	9.892	34.533	26.606	298.31	.085	.558
74	9.911	34.523	26.595	298.45	.083	.557
75	9.913	34.522	26.594	298.46	.075	.556
76	9.913	34.526	26.597	295.60	.077	.556
77	9.918	34.527	26.597	295.50	.079	.556
78	9.918	34.525	26.596	293.49	.081	.555

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
38	23 MAR 89	0317	37 41.50	74 20.28	94	92

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
4	7.545	33.598	26.239	315.84	.389	.732
5	7.549	33.597	26.238	313.61	.396	.731
6	7.547	33.597	26.237	309.59	.403	.733
7	7.546	33.596	26.237	311.23	.381	.731
8	7.545	33.596	26.238	315.29	.382	.728
9	7.540	33.598	26.239	319.11	.373	.727
10	7.538	33.597	26.239	317.97	.383	.726
11	7.541	33.596	26.238	318.31	.395	.725
12	7.541	33.596	26.238	318.34	.413	.725
13	7.541	33.597	26.238	315.59	.393	.725
14	7.543	33.597	26.238	316.91	.418	.723
15	7.543	33.597	26.238	319.76	.420	.724
16	7.546	33.596	26.237	320.52	.418	.723
17	7.555	33.599	26.238	320.17	.410	.722
18	7.557	33.597	26.237	319.72	.449	.722
19	7.550	33.595	26.236	314.88	.438	.725
20	7.550	33.596	26.236	306.95	.446	.706
21	7.551	33.595	26.236	302.56	.432	.723
22	7.552	33.595	26.235	303.38	.433	.723
23	7.551	33.596	26.237	304.20	.433	.722
24	7.550	33.596	26.236	304.63	.445	.723
25	7.551	33.594	26.235	304.96	.447	.567
26	7.549	33.596	26.237	303.55	.449	.722
27	7.551	33.594	26.235	303.03	.439	.721
28	7.551	33.595	26.236	302.73	.436	.723
29	7.552	33.595	26.235	303.56	.437	.722
30	7.551	33.595	26.236	304.20	.431	.722
31	7.553	33.596	26.236	304.06	.435	.720
32	7.557	33.597	26.236	303.95	.431	.720
33	7.559	33.598	26.237	303.60	.434	.721
34	7.559	33.598	26.237	303.70	.463	.720
35	7.561	33.597	26.236	304.46	.436	.720
36	7.561	33.599	26.237	304.55	.443	.719
37	7.577	33.606	26.240	305.03	.463	.557
38	7.579	33.606	26.241	305.76	.452	.713
39	7.584	33.610	26.243	305.11	.440	.709
40	7.598	33.617	26.246	305.57	.415	.703
41	7.605	33.622	26.249	305.89	.404	.699
42	7.638	33.639	26.258	304.95	.391	.649
43	7.676	33.660	26.269	302.81	.362	.514
44	7.710	33.676	26.277	302.70	.338	.384

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
45	7.773	33.709	26.293	301.18	.316	.645
46	7.848	33.742	26.308	299.96	.292	.631
47	7.982	33.815	26.346	298.83	.259	.619
48	8.083	33.854	26.362	296.75	.219	.612
49	8.239	33.955	26.418	295.95	.213	.601
50	8.360	33.982	26.421	294.70	.183	.593
52	8.491	34.037	26.444	290.26	.177	.583
54	8.808	34.162	26.493	287.70	.172	.567
56	8.875	34.181	26.497	286.88	.132	.566
58	8.928	34.208	26.510	288.08	.121	.564
60	9.094	34.274	26.535	286.87	.126	.562
62	9.282	34.340	26.557	285.10	.116	.559
64	9.322	34.342	26.551	285.22	.106	.560
66	9.348	34.355	26.557	286.77	.110	.560
68	9.384	34.371	26.564	285.86	.108	.561
70	9.383	34.366	26.560	285.24	.101	.562
72	9.390	34.372	26.564	287.03	.101	.563
74	9.389	34.371	26.563	284.87	.098	.563
76	9.391	34.369	26.561	287.78	.103	.563
78	9.390	34.371	26.563	289.21	.127	.565
79	9.389	34.372	26.564	288.53	.123	.564
80	9.390	34.371	26.563	290.09	.102	.564
81	9.389	34.371	26.563	290.98	.095	.565
82	9.383	34.369	26.562	292.42	.107	.565
83	9.378	34.371	26.565	292.18	.102	.566
84	9.375	34.368	26.563	291.33	.101	.566
85	9.374	34.367	26.562	290.57	.124	.567
86	9.374	34.369	26.564	287.75	.112	.570
87	9.377	34.372	26.566	283.04	.109	.345
88	9.373	34.371	26.565	280.56	.107	.569
89	9.376	34.370	26.565	278.16	.107	.570
90	9.384	34.377	26.568	278.23	.114	.570
91	9.397	34.379	26.568	276.93	.104	.569
92	9.400	34.381	26.569	266.29	.114	.570
93	9.400	34.380	26.568	260.46	.105	.570

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
39	23 MAR 89	0607	37 41.28	74 19.98	95	93

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	7.525	33.600	26.243	302.62	.373	.723
3	7.525	33.598	26.241	319.28	.360	.737
4	7.589	33.535	26.183	328.87	.374	.762
5	7.525	33.597	26.241	326.83	.386	.748
6	7.526	33.597	26.241	309.26	.378	.721
7	7.527	33.598	26.241	305.93	.371	.698
8	7.530	33.599	26.242	306.13	.382	.717
9	7.533	33.598	26.240	307.03	.379	.717
10	7.539	33.599	26.241	310.47	.389	.717
11	7.538	33.598	26.240	310.85	.389	.717
12	7.535	33.599	26.241	311.49	.398	.717
13	7.535	33.597	26.240	309.96	.398	.718
14	7.535	33.597	26.239	309.27	.412	.719
15	7.537	33.596	26.239	309.59	.405	.717
16	7.537	33.598	26.240	310.38	.414	.700
17	7.538	33.599	26.241	309.77	.401	.715
18	7.539	33.598	26.240	310.73	.392	.717
19	7.539	33.600	26.241	309.30	.395	.717
20	7.540	33.599	26.240	308.58	.516	.715
21	7.540	33.598	26.240	307.53	.436	.716
22	7.540	33.599	26.240	307.37	.405	.715
23	7.540	33.598	26.240	307.80	.416	.715
24	7.547	33.590	26.232	308.54	.407	.714
25	7.538	33.598	26.240	310.20	.408	.714
26	7.537	33.599	26.241	309.44	.411	.720
27	7.535	33.596	26.239	307.94	.414	.717
28	7.531	33.596	26.239	308.07	.413	.701
29	7.532	33.597	26.240	308.60	.431	.715
30	7.531	33.596	26.239	308.99	.420	.717
31	7.530	33.596	26.239	310.88	.419	.717
32	7.538	33.588	26.232	310.76	.427	.717
33	7.531	33.596	26.239	310.30	.431	.717
34	7.556	33.571	26.216	310.07	.420	.688
35	7.541	33.586	26.230	309.51	.413	.717
36	7.531	33.597	26.240	309.11	.434	.716
37	7.532	33.597	26.240	308.68	.400	.717
38	7.531	33.597	26.240	309.41	.416	.717
39	7.531	33.596	26.239	308.86	.440	.718
40	7.534	33.599	26.241	309.56	.447	.714
41	7.537	33.599	26.241	309.18	.430	.712
42	7.539	33.602	26.243	309.61	.418	.711

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	7.546	33.602	26.242	310.96	.417	.709
44	7.547	33.606	26.245	312.58	.417	.708
45	7.553	33.611	26.248	312.85	.433	.703
46	7.572	33.623	26.255	311.69	.403	.697
47	7.603	33.638	26.262	310.23	.380	.687
48	7.632	33.653	26.270	309.76	.378	.677
49	7.664	33.666	26.275	309.86	.372	.670
50	7.695	33.678	26.281	310.54	.319	.660
52	7.774	33.715	26.298	310.17	.297	.643
54	8.260	34.012	26.459	306.69	.241	.598
56	8.516	34.010	26.419	303.03	.176	.587
58	8.734	34.149	26.494	300.62	.169	.575
60	8.890	34.186	26.499	295.21	.145	.568
62	9.001	34.240	26.523	295.98	.138	.563
64	9.230	34.325	26.553	294.52	.110	.560
66	9.372	34.286	26.500	292.41	.103	.561
68	9.327	34.347	26.555	288.92	.101	.563
70	9.440	34.276	26.481	290.94	.097	.563
72	9.387	34.367	26.560	291.26	.104	.563
74	9.445	34.399	26.576	287.70	.097	.566
76	9.468	34.403	26.575	288.03	.107	.567
78	9.469	34.401	26.573	292.68	.098	.568
80	9.502	34.382	26.553	287.72	.096	.568
81	9.518	34.385	26.553	284.26	.100	.568
82	9.489	34.409	26.576	286.18	.101	.569
83	9.489	34.409	26.576	287.13	.094	.568
84	9.491	34.409	26.576	287.75	.101	.569
85	9.498	34.416	26.580	286.92	.097	.569
86	9.504	34.418	26.581	287.55	.111	.569
87	9.517	34.426	26.585	283.45	.099	.570
88	9.535	34.431	26.586	282.05	.103	.572
89	9.543	34.434	26.587	282.57	.096	.572
90	9.557	34.441	26.590	279.83	.099	.573
91	9.580	34.454	26.596	279.73	.108	.573
92	9.623	34.472	26.603	276.11	.092	.574
93	9.697	34.505	26.617	273.04	.100	.576
94	9.727	34.496	26.605	273.07	.095	.575
95	9.723	34.504	26.612	271.52	.091	.575

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
40	23 MAR 89	1354	38 2.00	73 43.72	1100	----

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
4	8.595	34.028	26.421	288.09	------	.717
5	8.596	34.026	26.419	287.79	------	.717
6	8.594	34.027	26.420	286.60	------	.717
7	8.591	34.025	26.419	287.17	------	.717
8	8.593	34.025	26.418	288.69	------	.714
9	8.593	34.025	26.419	288.98	------	.716
10	8.592	34.026	26.419	289.33	------	.716
11	8.598	34.030	26.422	288.51	------	.717
12	8.606	34.034	26.423	289.83	------	.717
13	8.613	34.033	26.422	289.97	------	.719
14	8.610	34.031	26.421	287.28	------	.717
15	8.620	34.032	26.420	290.35	------	.720
16	8.625	34.033	26.420	290.29	------	.720
17	8.608	34.029	26.420	291.24	------	.717
18	8.617	34.034	26.422	289.79	------	.721
19	8.640	34.040	26.423	288.10	------	.721
20	8.645	34.038	26.420	289.15	------	.723
21	8.646	34.042	26.424	288.55	------	.722
22	8.695	34.067	26.436	287.16	------	.720
23	8.802	34.109	26.452	285.67	------	.717
24	8.875	34.128	26.455	287.12	------	.702
25	8.891	34.130	26.454	288.26	------	.691
26	8.952	34.166	26.473	287.54	------	.669
27	9.002	34.185	26.480	286.68	------	.657
28	9.064	34.192	26.476	285.13	------	.646
29	9.127	34.214	26.483	284.83	------	.642
30	9.157	34.227	26.488	286.19	------	.638
31	9.168	34.229	26.488	287.35	------	.636
32	9.266	34.288	26.518	284.99	------	.630
33	9.386	34.321	26.525	283.46	------	.624
34	9.487	34.360	26.538	282.98	------	.617
35	9.576	34.399	26.554	281.28	------	.611
36	9.767	34.473	26.580	279.83	------	.606
37	10.026	34.556	26.601	279.65	------	.595
38	10.247	34.650	26.637	275.81	------	.589
39	10.480	34.683	26.622	276.98	------	.591
40	10.667	34.750	26.641	275.65	------	.593
41	10.919	34.829	26.657	277.18	------	.588
42	10.925	34.804	26.637	278.58	------	.580
43	10.771	34.779	26.645	274.14	------	.572
44	10.611	34.768	26.665	271.07	------	.566

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
45	10.611	34.787	26.680	268.90	------	.566
46	10.659	34.817	26.694	269.37	------	.563
47	10.902	34.920	26.732	269.24	------	.563
48	11.308	35.027	26.741	269.63	------	.562
49	11.489	35.059	26.732	272.06	------	.562
50	11.514	35.063	26.731	273.88	------	.561
52	11.657	35.095	26.729	273.15	------	.558
54	11.649	35.094	26.730	269.65	------	.556
56	11.563	35.071	26.728	271.51	------	.556
58	11.517	35.069	26.734	270.21	------	.556
60	11.563	35.084	26.738	263.57	------	.552
62	11.549	35.080	26.737	267.69	------	.550
64	11.504	35.072	26.740	269.07	------	.550
66	11.469	35.067	26.742	271.21	------	.551
68	11.493	35.072	26.741	263.73	------	.548
70	11.503	35.084	26.749	267.05	------	.541
72	11.517	35.091	26.752	265.90	------	.546
74	11.514	35.095	26.755	265.14	------	.549
76	11.512	35.095	26.756	261.51	------	.547
78	11.514	35.100	26.759	261.18	------	.548
80	11.528	35.107	26.762	258.30	------	.544
82	11.576	35.123	26.766	258.19	------	.541
84	11.676	35.160	26.775	256.55	------	.539
86	11.683	35.150	26.767	258.19	------	.538
88	11.746	35.167	26.768	259.89	------	.537
90	11.732	35.162	26.767	259.80	------	.537
92	11.670	35.133	26.756	260.30	------	.538
94	11.582	35.128	26.768	261.68	------	.539
96	11.585	35.143	26.780	260.34	------	.540
98	11.695	35.169	26.779	258.18	------	.538
100	11.712	35.170	26.776	257.97	------	.537
102	11.737	35.178	26.778	287.11	------	.536

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
41	23 MAR 89	1503	38 2.09	73 43.81	1105	1103

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	8.604	34.029	26.420	286.77	.203	.713
3	8.606	34.028	26.419	286.73	.196	.711
4	8.604	34.027	26.418	285.84	.203	.711
5	8.607	34.026	26.418	284.77	.230	.709
6	8.613	34.026	26.417	290.47	.229	.708
7	8.614	34.027	26.417	290.57	.281	.707
8	8.615	34.026	26.416	289.62	.272	.708
9	8.614	34.026	26.416	289.75	.307	.707
10	8.611	34.025	26.416	291.81	.301	.711
11	8.609	34.026	26.417	291.34	.310	.711
12	8.610	34.027	26.417	289.87	.331	.711
13	8.610	34.025	26.416	291.99	.346	.709
14	8.607	34.024	26.416	292.17	.351	.712
15	8.605	34.025	26.417	292.12	.354	.711
16	8.605	34.024	26.416	291.33	.379	.710
17	8.606	34.026	26.417	289.34	.359	.709
18	8.606	34.025	26.417	287.96	.394	.707
19	8.606	34.025	26.417	289.07	.361	.707
20	8.608	34.027	26.418	290.20	.369	.708
21	8.610	34.026	26.417	291.84	.353	.708
22	8.609	34.025	26.416	293.50	.351	.707
23	8.607	34.024	26.416	292.42	.497	.707
24	8.608	34.025	26.416	291.02	.555	.708
25	8.608	34.028	26.418	291.84	.579	.709
26	8.610	34.027	26.418	292.24	.656	.710
27	8.624	34.038	26.424	291.64	.634	.709
28	8.696	34.087	26.451	290.29	.647	.698
29	8.960	34.228	26.520	288.59	.567	.654
30	9.114	34.238	26.503	288.08	.578	.639
31	9.179	34.247	26.500	289.82	.496	.637
32	9.234	34.258	26.500	289.29	.460	.631
33	9.284	34.282	26.511	286.01	.477	.631
34	9.377	34.316	26.522	284.39	.572	.625
35	9.448	34.340	26.529	285.17	.570	.623
36	9.523	34.369	26.539	283.28	.299	.623
37	9.602	34.390	26.543	283.51	.543	.621
38	9.698	34.423	26.553	282.02	.455	.620
39	9.814	34.456	26.559	283.49	.476	.620
40	9.893	34.469	26.556	283.59	.534	.619
41	9.959	34.483	26.555	283.79	.522	.619
42	10.013	34.506	26.565	282.24	.528	.619

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	10.201	34.593	26.600	283.30	.498	.611
44	10.293	34.619	26.604	283.11	.481	.605
45	10.399	34.647	26.608	282.67	.477	.601
46	10.469	34.690	26.629	280.72	.443	.589
47	10.772	34.866	26.713	279.54	.432	.590
48	11.003	34.892	26.691	280.14	.427	.586
49	11.112	34.870	26.655	278.86	.430	.586
50	11.284	34.965	26.697	276.65	.378	.585
52	11.398	34.955	26.668	277.30	.427	.582
54	11.389	34.937	26.656	274.53	.399	.575
56	11.356	34.941	26.665	275.68	.388	.564
58	11.078	34.915	26.695	273.83	.375	.558
60	11.009	34.909	26.704	271.18	.342	.552
62	11.059	34.950	26.726	268.53	.318	.550
64	11.129	34.979	26.736	267.71	.293	.549
66	11.200	34.999	26.739	268.10	.289	.552
68	11.367	35.031	26.733	268.54	.287	.553
70	11.317	35.008	26.725	269.32	.268	.552
72	11.269	35.006	26.732	269.92	.264	.551
74	11.262	35.006	26.733	268.84	.256	.551
76	11.258	35.015	26.741	268.84	.259	.546
78	11.346	35.057	26.757	268.02	.258	.551
80	11.430	35.071	26.752	268.52	.266	.548
82	11.465	35.077	26.750	269.70	.270	.548
84	11.463	35.079	26.752	270.44	.258	.547
86	11.456	35.075	26.751	270.19	.245	.546
88	11.433	35.071	26.752	269.08	.232	.548
90	11.455	35.087	26.761	267.41	.202	.546
92	11.455	35.088	26.761	264.92	.201	.548
94	11.446	35.090	26.764	265.77	.203	.547
96	11.445	35.093	26.767	266.46	.197	.549
98	11.469	35.104	26.771	264.80	.198	.547
100	11.482	35.108	26.771	264.87	.188	.547
102	11.490	35.109	26.771	264.81	.173	.545
104	11.493	35.111	26.772	264.82	.174	.542
106	11.506	35.117	26.774	265.47	.162	.539
108	11.507	35.118	26.775	267.42	.169	.538
110	11.509	35.122	26.777	266.80	.158	.538
112	11.508	35.121	26.777	268.13	.148	.538
114	11.505	35.121	26.778	268.95	.139	.537
116	11.461	35.110	26.777	269.13	.146	.532
118	11.453	35.113	26.780	271.29	.138	.531
120	11.446	35.114	26.783	273.34	.132	.530
122	11.444	35.114	26.783	274.59	.126	.530
124	11.443	35.114	26.784	274.51	.124	.530
126	11.443	35.115	26.785	272.33	.103	.530
128	11.433	35.112	26.784	272.09	.124	.529
130	11.420	35.113	26.787	271.46	.114	.528
132	11.403	35.110	26.788	273.12	.069	.526
134	11.374	35.107	26.791	273.71	.067	.525
136	11.369	35.109	26.793	271.89	.070	.525

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
138	11.372	35.111	26.794	272.39	.069	.525
140	11.372	35.117	26.799	270.18	.078	.526
142	11.370	35.123	26.804	270.38	.105	.528
144	11.351	35.117	26.803	270.76	.060	.526
146	11.327	35.115	26.806	268.93	.061	.527
148	11.325	35.119	26.809	269.90	.097	.526
150	11.327	35.120	26.810	269.63	.061	.526
155	11.354	35.133	26.814	269.78	.067	.526
160	11.409	35.150	26.818	266.28	.051	.524
165	11.436	35.154	26.816	265.65	.053	.523
170	11.437	35.155	26.816	262.00	.074	.522
175	11.400	35.143	26.814	256.90	.062	.522
180	11.317	35.133	26.822	262.85	.053	.523
185	11.349	35.140	26.821	263.31	.051	.522
190	11.575	35.243	26.859	255.21	.049	.516
195	11.746	35.296	26.868	239.90	.030	.524
200	11.720	35.316	26.888	212.23	.028	.516
205	11.800	35.384	26.926	205.92	.032	.525
210	12.176	35.477	26.926	190.32	.023	.510
215	12.153	35.482	26.935	184.72	.066	.502
220	11.849	35.440	26.961	173.50	.037	.501
225	11.421	35.376	26.992	171.61	.020	.507
230	11.247	35.364	27.014	168.82	.022	.505
235	11.091	35.382	27.057	167.12	.022	.501
240	10.955	35.341	27.050	164.23	.023	.500
245	10.713	35.320	27.077	164.41	.019	.501
250	10.427	35.268	27.088	162.29	.019	.500
255	10.333	35.286	27.118	164.33	.020	.500
260	10.060	35.246	27.134	162.41	.023	.500
265	9.789	35.222	27.161	162.32	.060	.500
270	9.675	35.204	27.167	159.08	.021	.500
275	9.466	35.177	27.181	160.46	.034	.500
280	9.304	35.167	27.200	160.89	.020	.500
285	9.245	35.163	27.206	160.34	.022	.500
290	9.141	35.151	27.214	162.63	.025	.500
295	9.054	35.154	27.231	168.28	.019	.502
300	9.012	35.148	27.233	168.48	.023	.501
310	8.655	35.116	27.264	170.11	.024	.499
320	8.577	35.112	27.274	171.37	.016	.499
330	8.218	35.086	27.309	172.93	.020	.507
340	8.103	35.078	27.320	174.53	.016	.513
350	7.904	35.066	27.340	177.54	.049	.510
360	7.555	35.044	27.375	181.72	.021	.513
370	7.489	35.038	27.380	183.73	.049	.512
380	7.281	35.026	27.400	188.67	.019	.510
390	7.122	35.013	27.412	190.29	.020	.509
400	6.926	35.011	27.438	192.93	.022	.511
410	6.778	35.006	27.455	196.08	.018	.515
420	6.656	35.004	27.470	197.64	.019	.516
430	6.515	34.997	27.483	200.09	.021	.518
440	6.342	34.993	27.503	203.25	.022	.519

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
450	6.225	34.991	27.516	206.87	.019	.519
460	6.092	34.986	27.530	210.24	.021	.518
470	6.068	34.986	27.533	211.25	.017	.517
480	5.849	34.970	27.549	213.52	.020	.510
490	5.669	34.960	27.563	218.27	.017	.505
500	5.596	34.962	27.574	219.84	.019	.503
510	5.463	34.954	27.584	221.39	.020	.498
520	5.415	34.953	27.589	221.80	.020	.498
530	5.366	34.953	27.595	221.25	.037	.496
540	5.289	34.954	27.605	224.93	.017	.495
550	5.206	34.959	27.619	225.64	.017	.500
560	5.193	34.963	27.624	225.84	.021	.501
570	5.148	34.970	27.635	226.70	.018	.510
580	5.128	34.969	27.636	226.93	.021	.511
590	5.085	34.967	27.640	227.45	.020	.511
600	5.065	34.967	27.642	227.04	.038	.513
610	5.019	34.967	27.647	225.45	.062	.514
620	4.999	34.967	27.649	225.84	.059	.513
630	4.958	34.966	27.654	227.24	.065	.515
640	4.870	34.962	27.660	243.59	.066	.509
650	4.840	34.960	27.662	243.77	.062	.506
660	4.792	34.960	27.668	248.13	.063	.501
670	4.780	34.962	27.671	253.57	.060	.500
680	4.769	34.966	27.675	255.01	.057	.501
690	4.769	34.965	27.675	253.63	.025	.500
700	4.762	34.969	27.678	253.41	.017	.501
710	4.715	34.961	27.677	253.45	.058	.500
720	4.704	34.967	27.683	254.88	.022	.501
730	4.702	34.965	27.682	254.71	.028	.500
740	4.701	34.967	27.684	254.93	.018	.500
750	4.702	34.967	27.683	253.10	.014	.500
760	4.706	34.967	27.683	253.66	.034	.501
770	4.683	34.967	27.686	253.96	.043	.500
780	4.660	34.967	27.689	252.53	.017	.500
790	4.634	34.964	27.689	253.63	.021	.496
800	4.624	34.957	27.684	251.10	.018	.495
810	4.600	34.960	27.690	252.45	.018	.494
820	4.569	34.957	27.691	253.91	.018	.495
830	4.541	34.960	27.696	253.16	.022	.497
840	4.522	34.960	27.698	255.28	.017	.497
850	4.517	34.961	27.699	255.00	.019	.496
860	4.496	34.954	27.696	255.60	.034	.490
870	4.475	34.956	27.700	255.05	.017	.490
880	4.470	34.956	27.701	255.44	.019	.490
890	4.473	34.957	27.701	256.01	.020	.490
900	4.464	34.956	27.701	255.53	.022	.492
910	4.443	34.956	27.704	257.21	.020	.490
920	4.436	34.959	27.707	254.11	.019	.489
930	4.428	34.953	27.703	251.41	.016	.488
940	4.409	34.954	27.706	252.36	.018	.486
950	4.401	34.953	27.706	253.26	.018	.485

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
960	4.381	34.954	27.709	253.33	.017	.491
970	4.368	34.955	27.711	253.09	.016	.487
980	4.366	34.955	27.711	256.92	.018	.488
990	4.353	34.957	27.714	253.53	.018	.484
1000	4.340	34.957	27.716	254.21	.014	.497
1010	4.337	34.955	27.715	257.38	.019	.500
1020	4.322	34.958	27.718	265.38	.017	.502
1030	4.310	34.957	27.719	269.88	.016	.493
1040	4.302	34.955	27.718	269.25	.017	.494
1050	4.284	34.954	27.720	273.78	.016	.495
1060	4.288	34.955	27.719	271.81	.017	.497
1070	4.273	34.955	27.721	272.29	.015	.496
1080	4.274	34.957	27.723	272.67	.014	.496
1090	4.272	34.955	27.722	273.10	.016	.499
1091	4.266	34.956	27.723	272.84	.017	.499
1092	4.274	34.957	27.723	270.88	.015	.498
1093	4.274	34.957	27.723	271.52	.017	.498
1094	4.273	34.958	27.724	272.09	.016	.498
1095	4.274	34.958	27.723	266.77	.017	.498
1096	4.275	34.956	27.722	265.48	.017	.498
1097	4.276	34.957	27.723	272.35	.014	.496
1098	4.276	34.956	27.722	272.01	.016	.497
1099	4.277	34.956	27.722	271.40	.016	.496
1100	4.277	34.955	27.721	271.80	.019	.498
1101	4.276	34.957	27.723	272.61	.021	.498
1102	4.275	34.958	27.723	274.35	.022	.500
1103	4.281	34.956	27.721	272.48	.019	.500
1104	4.283	34.955	27.721	272.48	.018	.504

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
42	23 MAR 89	1755	38 6.06	73 49.05	920	918

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
2	7.795	33.779	26.345	-------	.337	.716
3	7.798	33.779	26.345	-------	.322	.715
4	7.804	33.778	26.343	302.02	.393	.713
5	7.805	33.778	26.343	301.19	.352	.714
6	7.805	33.778	26.343	301.01	.343	.714
7	7.805	33.777	26.342	301.52	.356	.716
8	7.804	33.778	26.343	301.86	.381	.716
9	7.804	33.778	26.343	302.33	.364	.715
10	7.804	33.778	26.343	300.85	.349	.716
11	7.804	33.778	26.343	300.40	.356	.715
12	7.804	33.778	26.343	300.28	.348	.714
13	7.804	33.778	26.343	300.75	.363	.714
14	7.803	33.778	26.344	299.50	.395	.714
15	7.803	33.778	26.343	297.35	.386	.716
16	7.804	33.778	26.343	297.25	.377	.713
17	7.805	33.777	26.342	297.76	.401	.713
18	7.804	33.778	26.343	298.27	.391	.716
19	7.805	33.777	26.342	294.66	.396	.713
20	7.805	33.779	26.344	295.87	.399	.714
21	7.805	33.777	26.342	297.15	.391	.713
22	7.804	33.777	26.342	299.52	.369	.714
23	7.805	33.777	26.343	297.01	.355	.717
24	7.805	33.778	26.343	296.60	.350	.714
25	7.805	33.778	26.343	295.71	.381	.712
26	7.805	33.777	26.342	294.75	.411	.717
27	7.804	33.778	26.343	293.96	.373	.713
28	7.805	33.778	26.343	290.91	.428	.712
29	7.807	33.779	26.344	286.11	.395	.710
30	7.806	33.777	26.342	287.09	.394	.711
31	7.803	33.777	26.342	284.50	.398	.709
32	7.814	33.785	26.347	282.05	.376	.708
33	7.827	33.791	26.350	281.44	.401	.700
34	7.837	33.792	26.349	282.38	.601	.693
35	7.844	33.794	26.350	281.71	.540	.690
36	7.849	33.796	26.351	280.58	.315	690
37	7.853	33.800	26.353	279.29	.337	.686
38	7.868	33.806	26.356	280.26	.323	.682
39	7.947	33.862	26.388	280.68	.313	.666
40	8.064	33.910	26.408	278.47	.288	.650
41	8.206	33.992	26.451	277.12	.322	.623
42	8.364	34.036	26.462	277.88	.255	.601

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
43	8.411	34.025	26.447	275.59	.240	.599
44	8.463	34.045	26.455	271.39	.191	.596
45	8.520	34.071	26.466	271.47	.179	.601
46	8.661	34.163	26.516	271.49	.165	.605
47	9.058	34.313	26.571	269.38	.188	.610
48	9.560	34.414	26.569	269.56	.163	.616
49	9.665	34.416	26.553	270.35	.190	.615
50	9.752	34.458	26.571	269.45	.231	.614
52	9.907	34.510	26.585	272.22	.195	.609
54	10.308	34.722	26.682	271.39	.167	.590
56	10.422	34.695	26.641	272.29	.149	.589
58	10.488	34.696	26.630	269.93	.160	.592
60	10.505	34.701	26.631	269.88	.160	.593
62	10.511	34.703	26.632	270.98	.167	.593
64	10.540	34.718	26.639	270.26	.157	.591
66	10.615	34.753	26.653	272.41	.150	.589
68	10.875	34.876	26.702	270.04	.136	.574
70	10.939	34.873	26.689	272.38	.132	.572
72	10.984	34.892	26.695	272.21	.138	.571
74	11.106	34.936	26.707	268.37	.128	.563
76	11.164	34.956	26.712	268.64	.132	.563
78	11.220	34.977	26.718	268.71	.114	.563
80	11.245	34.985	26.720	268.10	.125	.561
82	11.252	34.985	26.719	270.48	.123	.560
84	11.277	34.997	26.723	270.66	.133	.557
86	11.297	35.002	26.724	270.35	.110	.556
88	11.297	35.002	26.723	271.41	.110	.557
90	11.303	35.004	26.724	270.37	.111	.555
92	11.317	35.014	26.729	272.09	.116	.553
94	11.329	35.015	26.728	272.21	.110	.552
96	11.370	35.030	26.731	272.51	.110	.552
98	11.383	35.035	26.733	271.95	.099	.548
100	11.388	35.039	26.735	271.42	.099	.547
102	11.398	35.045	26.738	268.14	.094	.551
104	11.425	35.054	26.740	270.43	.093	.546
106	11.438	35.061	26.743	272.12	.090	.544
108	11.515	35.090	26.751	272.39	.084	.541
110	11.533	35.091	26.748	271.35	.082	.541
112	11.538	35.090	26.747	270.30	.092	.539
114	11.538	35.091	26.748	271.83	.081	.538
116	11.542	35.091	26.747	271.24	.080	.538
118	11.543	35.092	26.748	273.58	.084	.539
120	11.641	35.164	26.785	271.75	.085	.538
122	11.820	35.205	26.783	271.84	.074	.528
124	11.874	35.206	26.774	272.94	.071	.526
126	11.916	35.223	26.779	266.48	.062	.525
128	11.915	35.219	26.776	267.41	.062	.522
130	11.909	35.217	26.776	268.90	.066	.522
132	11.881	35.212	26.777	269.33	.061	.521
134	11.876	35.213	26.779	268.30	.058	.520
136	11.876	35.214	26.780	268.66	.056	.520

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
138	11.880	35.218	26.782	270.68	.058	.520
140	11.882	35.218	26.781	268.52	.060	.520
142	11.883	35.219	26.782	268.09	.057	.520
144	11.883	35.220	26.783	270.57	.057	.519
146	11.883	35.220	26.783	266.04	.059	.519
148	11.883	35.220	26.783	267.23	.055	.520
150	11.884	35.220	26.783	268.49	.060	.519
155	11.887	35.224	26.785	267.21	.051	.517
160	11.893	35.225	26.785	263.18	.057	.516
165	11.899	35.227	26.785	263.92	.052	.517
170	11.906	35.231	26.787	262.23	.053	.516
175	11.901	35.234	26.791	262.42	.054	.516
180	11.897	35.240	26.796	257.68	.053	.517
185	11.891	35.241	26.798	256.49	.054	.518
190	11.886	35.244	26.801	255.76	.052	.519
195	11.885	35.244	26.801	254.41	.047	.519
200	11.876	35.242	26.802	251.34	.053	.520
205	11.798	35.231	26.808	248.81	.049	.528
210	11.711	35.230	26.824	244.65	.050	.530
215	11.595	35.219	26.837	237.06	.054	.535
220	11.454	35.216	26.860	230.48	.047	.537
225	11.355	35.220	26.882	224.00	.045	.541
230	11.343	35.223	26.887	219.62	.045	.541
235	11.308	35.221	26.892	220.07	.046	.541
240	11.286	35.224	26.898	216.76	.042	.543
245	11.272	35.226	26.903	216.10	.045	.543
250	11.254	35.225	26.905	215.67	.046	.544
255	11.203	35.224	26.914	214.48	.048	.547
260	11.153	35.228	26.926	211.86	.043	.544
265	10.912	35.243	26.981	204.23	.038	.541
270	10.886	35.265	27.003	184.87	.031	.536
275	10.928	35.315	27.035	178.78	.026	.520
280	10.828	35.321	27.057	168.99	.020	.513
285	10.742	35.325	27.076	161.49	.022	.503
290	10.659	35.309	27.078	162.15	.019	.502
295	10.350	35.276	27.107	162.30	.018	.503
300	9.951	35.213	27.127	163.80	.025	.522
310	9.254	35.171	27.212	167.41	.021	.526
320	8.987	35.149	27.237	166.34	.024	.527
330	8.430	35.103	27.289	169.51	.021	.510
340	8.192	35.080	27.308	173.44	.019	.516
350	8.000	35.076	27.334	175.92	.021	.513
360	7.867	35.073	27.352	177.19	.021	.518
370	7.797	35.098	27.381	183.79	.022	.546
380	7.709	35.094	27.391	185.54	.023	.562
390	7.353	35.074	27.428	192.70	.020	.579
400	7.147	35.038	27.429	193.70	.021	.583
410	7.052	35.066	27.464	196.56	.021	.596
420	7.019	35.061	27.464	198.23	.022	.589
430	6.914	35.049	27.470	201.70	.025	.586
440	6.818	35.055	27.487	204.57	.021	.608

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
450	6.652	35.039	27.497	205.34	.023	.603
460	6.313	35.025	27.532	208.89	.022	.618
470	6.134	35.021	27.552	211.93	.021	.624
480	6.048	35.020	27.563	211.43	.022	.622
490	5.958	35.016	27.571	213.44	.023	.629
500	5.837	35.008	27.580	215.47	.020	.596
510	5.765	35.004	27.586	213.64	.022	.587
520	5.712	35.005	27.593	216.16	.025	.606
530	5.702	35.005	27.595	215.03	.022	.614
540	5.674	35.008	27.600	215.21	.024	.611
550	5.620	35.004	27.604	214.62	.022	.620
560	5.519	34.995	27.610	216.68	.021	.616
570	5.477	34.995	27.615	225.35	.017	.602
580	5.451	34.996	27.619	227.78	.025	.603
590	5.407	34.991	27.620	233.26	.018	.603
600	5.350	34.984	27.621	233.23	.017	.588
610	5.203	34.982	27.638	242.39	.020	.573
620	5.101	34.953	27.626	243.77	.019	.555
630	4.967	34.971	27.656	245.98	.021	.561
640	4.895	34.974	27.667	248.20	.018	.563
650	4.872	34.972	27.668	247.74	.021	.552
660	4.839	34.969	27.669	247.46	.023	.547
670	4.817	34.966	27.670	249.86	.017	.535
680	4.796	34.971	27.676	247.31	.017	.535
690	4.792	34.973	27.678	247.15	.018	.543
700	4.793	34.970	27.675	245.57	.019	.541
710	4.777	34.971	27.678	247.35	.018	.546
720	4.766	34.971	27.679	247.61	.019	.548
730	4.752	34.970	27.680	247.65	.021	.546
740	4.714	34.967	27.682	247.25	.018	.563
750	4.684	34.968	27.686	249.08	.021	.563
760	4.661	34.967	27.688	250.70	.016	.549
770	4.659	34.968	27.689	249.64	.020	.549
780	4.657	34.967	27.689	248.13	.020	.540
790	4.631	34.967	27.692	249.69	.018	.533
800	4.629	34.966	27.691	248.64	.020	.535
810	4.619	34.967	27.693	247.60	.018	.531
820	4.605	34.965	27.693	247.73	.019	.526
830	4.602	34.967	27.695	247.12	.017	.522
840	4.591	34.965	27.694	247.49	.019	.522
850	4.574	34.965	27.696	248.90	.017	.527
860	4.570	34.965	27.697	248.58	.017	.527
870	4.568	34.965	27.697	249.46	.018	.530
880	4.562	34.963	27.696	247.91	.019	.532
890	4.548	34.965	27.699	247.74	.016	.535
900	4.536	34.965	27.701	250.23	.020	.553
905	4.525	34.964	27.701	249.42	.016	.552
906	4.524	34.966	27.702	248.94	.017	.552
907	4.510	34.962	27.701	249.78	.020	.547
908	4.510	34.963	27.702	249.95	.015	.547
909	4.501	34.959	27.700	249.91	.019	.545

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
910	4.495	34.964	27.704	248.95	.020	.541
911	4.490	34.964	27.705	248.36	.018	.541
912	4.487	34.964	27.705	247.95	.017	.541
913	4.484	34.964	27.706	248.83	.015	.543
914	4.488	34.964	27.705	247.97	.020	.542
915	4.478	34.964	27.706	254.89	.019	.548
916	4.470	34.964	27.707	257.44	.017	.551
917	4.473	34.965	27.707	260.89	.016	.548
918	4.472	34.964	27.707	265.21	.019	.552
919	4.466	34.964	27.707	262.37	.024	.567

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
43	23 MAR 89	2034	38 9.45	73 51.49	492	490

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
3	7.668	33.703	26.304	300.88	.390	.732
4	7.670	33.703	26.304	301.13	.405	.729
5	7.669	33.702	26.303	301.76	.420	.731
6	7.667	33.701	26.302	301.27	.441	.729
7	7.664	33.700	26.302	300.22	.418	.733
8	7.665	33.701	26.302	299.38	.395	.737
9	7.661	33.698	26.301	298.37	.427	.731
10	7.663	33.699	26.302	297.61	.417	.728
11	7.664	33.699	26.301	298.92	.410	.734
12	7.663	33.700	26.302	299.09	.416	.730
13	7.663	33.699	26.301	297.86	.389	.734
14	7.664	33.699	26.301	299.15	.393	.732
15	7.664	33.700	26.302	299.34	.441	.730
16	7.666	33.699	26.301	298.57	.438	.728
17	7.665	33.699	26.302	301.26	.443	.727
18	7.665	33.701	26.303	301.21	.434	.730
19	7.669	33.701	26.302	299.64	.410	.728
20	7.670	33.701	26.302	299.35	.398	.728
21	7.668	33.700	26.302	301.31	.419	.731
22	7.666	33.699	26.301	300.61	.434	.731
23	7.666	33.700	26.302	300.22	.417	.727
24	7.680	33.709	26.306	301.05	.410	.724
25	7.684	33.709	26.306	298.67	.391	.724
26	7.683	33.706	26.304	299.22	.403	.728
27	7.672	33.698	26.299	300.11	.412	.726
28	7.682	33.710	26.307	301.54	.447	.725
29	7.711	33.731	26.320	301.81	.411	.721
30	7.753	33.752	26.330	303.35	.392	.714
31	7.793	33.753	26.325	301.53	.396	.716
32	7.803	33.753	26.323	297.72	.364	.712
33	7.807	33.755	26.324	298.51	.390	.714
34	7.825	33.763	26.328	298.37	.380	.712
35	7.833	33.765	26.329	298.64	.390	.714
36	7.845	33.769	26.330	298.69	.416	.711
37	7.883	33.789	26.340	298.76	.525	.710
38	7.916	33.799	26.343	299.06	.692	.702
39	7.954	33.817	26.352	296.08	.416	.700
40	7.982	33.819	26.349	295.14	.390	.695
41	7.987	33.819	26.349	295.78	.439	.694
42	7.994	33.824	26.351	295.43	.362	.690
43	7.998	33.822	26.350	294.93	.314	.690

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
44	7.999	33.822	26.349	294.88	.309	.685
45	8.007	33.828	26.353	294.48	.333	.683
46	8.024	33.833	26.354	292.67	.327	.678
47	8.038	33.838	26.356	293.49	.335	.674
48	8.047	33.841	26.357	293.67	.319	.671
49	8.092	33.883	26.383	294.37	.292	.655
50	8.496	34.148	26.530	292.21	.254	.593
52	8.747	34.108	26.460	290.72	.240	.586
54	8.993	34.210	26.501	287.96	.200	.581
56	9.058	34.216	26.495	281.41	.160	.577
58	9.189	34.293	26.535	279.83	.156	.575
60	9.311	34.321	26.537	272.58	.144	.571
62	9.376	34.363	26.559	266.98	.126	.569
64	9.455	34.391	26.568	267.31	.128	.565
66	9.562	34.441	26.590	260.67	.121	.563
68	9.630	34.468	26.599	263.80	.155	.562
70	9.715	34.508	26.616	260.46	.117	.562
72	9.918	34.617	26.667	257.96	.102	.559
74	10.027	34.641	26.667	252.93	.092	.560
76	10.039	34.648	26.670	255.69	.094	.559
78	10.160	34.706	26.695	254.26	.074	.559
80	10.318	34.746	26.699	250.60	.117	.559
82	10.405	34.784	26.713	249.00	.080	.560
84	10.446	34.791	26.712	249.93	.080	.560
86	10.485	34.814	26.723	249.27	.077	.560
88	10.545	34.831	26.726	250.66	.075	.559
90	10.554	34.829	26.722	257.07	.077	.560
92	10.577	34.839	26.726	256.42	.087	.561
94	10.621	34.848	26.726	251.81	.082	.559
96	10.617	34.845	26.724	250.29	.077	.559
98	10.614	34.846	26.725	250.75	.076	.558
100	10.680	34.885	26.744	249.20	.071	.559
102	10.758	34.910	26.750	250.74	.076	.558
104	10.801	34.918	26.748	254.57	.089	.557
106	10.812	34.918	26.746	252.93	.068	.557
108	10.866	34.931	26.746	251.97	.067	.555
110	10.890	34.939	26.749	250.42	.070	.554
112	10.929	34.954	26.753	252.74	.071	.552
114	11.040	34.994	26.764	253.16	.095	.552
116	11.092	34.992	26.753	253.33	.070	.549
118	11.100	34.992	26.752	252.40	.072	.549
120	11.097	34.991	26.752	254.87	.069	.549
122	11.136	35.008	26.758	257.06	.067	.549
124	11.165	35.016	26.759	260.06	.071	.548
126	11.248	35.059	26.777	260.73	.074	.548
128	11.327	35.071	26.772	263.76	.068	.549
130	11.349	35.070	26.767	261.28	.070	.550
132	11.355	35.070	26.765	261.89	.096	.548
134	11.335	35.058	26.760	260.70	.076	.547
136	11.325	35.063	26.765	257.70	.074	.547
138	11.350	35.077	26.772	257.00	.074	.548

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
140	11.364	35.081	26.773	259.23	.064	.551
142	11.376	35.083	26.772	256.54	.065	.550
144	11.362	35.078	26.771	253.93	.065	.552
146	11.380	35.085	26.773	257.31	.067	.551
148	11.369	35.080	26.771	258.62	.065	.552
150	11.357	35.079	26.772	256.91	.068	.552
155	11.402	35.093	26.775	252.19	.091	.553
160	11.388	35.089	26.774	258.67	.065	.553
165	11.490	35.123	26.781	259.57	.068	.552
170	11.523	35.131	26.781	260.70	.066	.552
175	11.482	35.118	26.779	260.28	.063	.554
180	11.477	35.123	26.784	264.36	.071	.555
185	11.490	35.127	26.785	255.69	.067	.553
190	11.587	35.164	26.795	257.96	.069	.548
195	11.648	35.177	26.794	258.90	.060	.546
200	11.555	35.151	26.791	260.04	.068	.551
205	11.416	35.117	26.791	255.87	.057	.560
210	11.314	35.124	26.815	249.89	.066	.567
215	11.327	35.127	26.815	250.49	.071	.568
220	11.338	35.133	26.818	249.21	.061	.566
225	11.391	35.185	26.849	240.28	.058	.557
230	11.377	35.195	26.859	231.80	.055	.557
235	11.319	35.196	26.870	231.35	.050	.558
240	11.057	35.202	26.923	221.92	.045	.559
245	10.897	35.216	26.963	213.03	.044	.555
250	10.619	35.193	26.995	204.95	.037	.562
255	10.391	35.199	27.040	200.15	.039	.565
260	10.239	35.220	27.083	189.52	.036	.555
265	10.247	35.231	27.090	185.20	.027	.544
270	9.932	35.197	27.118	185.28	.031	.570
275	9.760	35.194	27.145	188.28	.029	.549
280	9.686	35.208	27.168	179.48	.025	.543
285	9.586	35.195	27.175	175.84	.033	.566
290	9.551	35.188	27.175	179.80	.029	.557
295	8.973	35.123	27.219	181.90	.032	.595
300	8.823	35.148	27.263	183.95	.022	.599
310	8.696	35.152	27.286	184.62	.024	.601
320	8.588	35.143	27.296	180.91	.024	.582
330	8.477	35.142	27.313	183.75	.025	.598
340	8.355	35.135	27.326	185.27	.022	.601
350	8.296	35.131	27.332	184.68	.024	.607
360	7.937	35.074	27.342	184.39	.026	.614
370	7.624	35.093	27.403	195.36	.023	.633
380	7.554	35.086	27.408	195.36	.024	.641
390	7.254	35.062	27.432	200.31	.029	.669
400	7.173	35.079	27.457	202.90	.024	.669
410	7.028	35.071	27.471	203.85	.027	.679
420	6.944	35.061	27.475	203.16	.026	.696
430	6.900	35.067	27.486	206.69	.026	.728
440	6.652	35.054	27.509	208.78	.019	.740
450	6.520	35.047	27.522	208.64	.026	.748

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
460	6.505	35.048	27.525	207.09	.027	.756
470	6.384	35.041	27.535	204.52	.025	.755
477	6.397	35.041	27.534	206.86	.028	.748
478	6.372	35.040	27.536	204.53	.028	.748
479	6.354	35.037	27.536	206.67	.025	.759
480	6.319	35.030	27.535	207.76	.025	.767
481	6.298	35.036	27.542	208.05	.027	.776
482	6.295	35.035	27.542	206.09	.024	.785
483	6.291	35.036	27.544	207.40	.025	.784
484	6.298	35.042	27.547	209.26	.028	.776
485	6.294	35.038	27.545	208.65	.026	.775
486	6.276	35.046	27.553	207.60	.026	.810
487	5.971	34.935	27.505	207.83	.027	.859
488	5.821	35.011	27.585	210.73	.026	.867
489	5.784	34.999	27.580	213.43	.027	.885
490	5.770	35.014	27.593	222.76	.028	.907
491	5.729	35.034	27.615	227.08	.030	.929

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
44	23 MAR 89	2246	38 12.82	73 50.92	335	333

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
3	7.123	33.522	26.238	313.86	.346	.849
4	7.122	33.520	26.237	314.48	.375	.730
5	7.122	33.520	26.237	314.35	.360	.728
6	7.121	33.522	26.238	314.96	.383	.721
7	7.121	33.521	26.238	314.74	.422	.716
8	7.120	33.523	26.239	314.61	.459	.712
9	7.121	33.521	26.238	314.51	.436	.713
10	7.121	33.521	26.237	311.65	.455	.713
11	7.121	33.521	26.238	311.14	.487	.715
12	7.121	33.522	26.238	311.90	.456	.714
13	7.121	33.521	26.238	313.61	.382	.712
14	7.121	33.521	26.237	314.22	.385	.715
15	7.121	33.522	26.238	314.68	.382	.713
16	7.121	33.522	26.238	315.11	.395	.716
17	7.121	33.522	26.238	312.31	.363	.714
18	7.121	33.521	26.238	312.50	.394	.712
19	7.121	33.522	26.238	313.27	.404	.714
20	7.121	33.522	26.239	314.03	.371	.717
21	7.121	33.522	26.238	316.59	.396	.712
22	7.121	33.521	26.238	316.36	.401	.714
23	7.121	33.522	26.238	316.28	.408	.714
24	7.122	33.522	26.238	316.27	.511	.714
25	7.122	33.521	26.238	316.16	.483	.714
26	7.122	33.522	26.238	314.68	.472	.713
27	7.122	33.522	26.238	314.62	.442	.712
28	7.122	33.522	26.238	314.59	.400	.711
29	7.122	33.523	26.239	313.97	.384	.714
30	7.123	33.522	26.238	312.63	.463	.712
31	7.122	33.523	26.239	313.20	.462	.712
32	7.123	33.521	26.237	312.69	.440	.712
33	7.123	33.522	26.238	312.71	.422	.715
34	7.123	33.521	26.237	314.75	.383	.713
35	7.123	33.522	26.238	314.95	.380	.713
36	7.124	33.522	26.238	313.69	.418	.714
37	7.123	33.522	26.238	313.33	.458	.713
38	7.123	33.523	26.239	313.90	.416	.713
39	7.124	33.521	26.237	310.76	.375	.712
40	7.125	33.524	26.239	311.34	.654	.713
41	7.132	33.530	26.243	311.96	.660	.714
42	7.171	33.558	26.260	311.99	.454	.691
43	7.254	33.602	26.283	304.11	.317	.671

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
44	7.372	33.685	26.332	302.38	.284	.649
45	7.451	33.728	26.355	302.03	.266	.635
46	7.513	33.759	26.370	303.69	.244	.623
47	7.649	33.847	26.420	303.09	.215	.595
48	7.727	33.850	26.411	301.78	.197	.594
49	7.787	33.877	26.423	300.36	.205	.603
50	7.867	33.909	26.437	299.99	.204	.594
52	7.986	33.945	26.448	297.46	.154	.588
54	8.352	34.194	26.588	294.22	.129	.575
56	8.594	34.159	26.524	284.90	.118	.575
58	8.681	34.196	26.539	283.61	.102	.575
60	9.000	34.336	26.598	280.71	.119	.574
62	9.211	34.434	26.641	283.42	.103	.575
64	9.306	34.424	26.618	284.28	.096	.582
66	9.321	34.438	26.627	282.02	.106	.575
68	9.642	34.554	26.665	278.10	.114	.574
70	9.854	34.666	26.717	271.90	.106	.574
72	10.153	34.716	26.704	266.43	.098	.570
74	10.269	34.729	26.694	260.06	.082	.568
76	10.284	34.730	26.692	260.07	.095	.569
78	10.304	34.743	26.699	258.84	.096	.568
80	10.305	34.747	26.702	260.21	.089	.571
82	10.308	34.756	26.709	259.52	.140	.579
84	10.318	34.762	26.712	261.29	.086	.580
86	10.336	34.769	26.714	252.04	.097	.585
88	10.345	34.769	26.713	253.00	.082	.584
90	10.379	34.793	26.725	253.30	.084	.587
92	10.400	34.794	26.722	251.67	.082	.582
94	10.409	34.798	26.724	246.00	.078	.582
96	10.417	34.800	26.724	247.19	.090	.585
98	10.420	34.800	26.724	247.58	.085	.582
100	10.454	34.824	26.736	246.02	.077	.581
102	10.519	34.850	26.746	247.46	.081	.588
104	10.591	34.875	26.752	248.61	.083	.581
106	10.607	34.873	26.747	247.28	.089	.580
108	10.616	34.877	26.749	247.66	.079	.580
110	10.633	34.887	26.754	249.32	.092	.579
112	10.637	34.886	26.753	250.49	.073	.578
114	10.723	34.939	26.779	250.19	.075	.572
116	10.790	34.947	26.772	248.20	.066	.570
118	10.943	34.978	26.769	247.00	.060	.565
120	10.972	34.990	26.773	248.23	.071	.564
122	11.021	34.994	26.768	247.42	.078	.563
124	11.124	35.050	26.792	248.14	.074	.560
126	11.227	35.073	26.791	253.35	.070	.558
128	11.280	35.073	26.782	255.60	.066	.557
130	11.290	35.072	26.779	255.56	.070	.557
132	11.288	35.074	26.781	254.06	.080	.559
134	11.289	35.071	26.778	255.32	.069	.559
136	11.290	35.072	26.779	256.00	.069	.561
138	11.290	35.071	26.778	257.22	.076	.562

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
140	11.294	35.073	26.779	258.14	.070	.561
142	11.294	35.074	26.780	256.18	.064	.559
144	11.296	35.073	26.779	251.44	.066	.560
146	11.300	35.074	26.779	254.87	.072	.560
148	11.296	35.072	26.778	255.11	.075	.561
150	11.299	35.075	26.780	258.64	.070	.561
155	11.279	35.072	26.781	260.09	.068	.564
160	11.268	35.071	26.783	252.95	.082	.566
165	11.240	35.068	26.785	252.15	.074	.571
170	11.288	35.089	26.792	251.78	.067	.575
175	11.306	35.103	26.800	250.97	.067	.576
180	11.294	35.106	26.805	245.52	.061	.580
185	11.036	35.070	26.824	247.30	.057	.594
190	10.869	35.097	26.875	242.35	.056	.608
195	10.819	35.102	26.888	237.08	.059	.619
200	10.681	35.113	26.921	236.31	.066	.634
205	10.651	35.133	26.943	230.18	.050	.632
210	10.653	35.146	26.952	225.83	.052	.626
215	10.632	35.155	26.963	223.06	.051	.622
220	10.597	35.164	26.976	219.97	.044	.614
225	10.560	35.175	26.992	216.14	.047	.615
230	10.547	35.181	26.998	212.38	.045	.610
235	9.902	35.149	27.085	203.56	.042	.655
240	9.842	35.183	27.123	197.49	.036	.661
245	9.724	35.182	27.142	196.07	.036	.695
250	9.619	35.183	27.160	192.41	.035	.659
255	9.578	35.185	27.169	189.85	.027	.630
260	9.564	35.189	27.174	187.45	.029	.625
265	9.371	35.179	27.198	186.05	.028	.606
270	9.044	35.136	27.218	186.00	.027	.634
275	8.645	35.143	27.287	187.54	.030	.662
280	8.487	35.118	27.292	188.32	.020	.638
285	8.088	35.110	27.348	186.73	.026	.664
290	7.974	35.111	27.365	189.45	.028	.726
295	7.810	35.100	27.381	192.94	.028	.770
300	7.618	35.099	27.408	194.49	.023	.798
310	7.444	35.084	27.422	199.47	.025	.743
320	7.036	35.074	27.472	204.25	.027	.851
321	7.031	35.072	27.472	205.26	.028	.851
322	7.016	35.068	27.471	204.70	.027	.872
323	7.020	35.073	27.474	203.45	.026	.886
324	6.991	35.071	27.476	203.84	.029	.925
325	6.989	35.071	27.477	202.58	.031	.905
326	6.991	35.071	27.476	201.92	.029	.894
327	6.989	35.071	27.477	202.95	.029	.951
328	6.986	35.070	27.476	202.53	.029	.931
329	6.977	35.068	27.476	203.17	.031	.924
330	6.952	35.066	27.478	202.66	.031	.935
331	6.948	35.068	27.480	200.18	.027	.959
332	6.938	35.064	27.478	202.15	.027	.985
333	6.935	35.066	27.480	204.00	.027	.990

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
45	24 MAR 89	0015	38 14.03	73 50.92	226	224

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
3	7.072	33.499	26.226	304.46	.365	.815
4	7.071	33.499	26.227	304.09	.380	.722
5	7.071	33.500	26.227	304.91	.396	.721
6	7.071	33.499	26.227	302.92	.402	.721
7	7.071	33.500	26.228	303.57	.391	.721
8	7.071	33.499	26.227	302.34	.364	.719
9	7.071	33.500	26.228	301.72	.361	.718
10	7.072	33.499	26.227	302.14	.401	.721
11	7.072	33.500	26.228	302.40	.402	.720
12	7.072	33.501	26.228	302.30	.500	.719
13	7.072	33.500	26.228	302.80	.477	.718
14	7.071	33.500	26.227	303.55	.394	.719
15	7.072	33.499	26.227	303.67	.417	.725
16	7.072	33.499	26.227	303.00	.431	.717
17	7.071	33.500	26.228	301.73	.741	.718
18	7.072	33.499	26.227	301.81	.552	.719
19	7.072	33.498	26.226	300.16	.509	.721
20	7.072	33.499	26.227	301.67	.471	.720
21	7.072	33.500	26.227	302.02	.441	.719
22	7.072	33.499	26.227	302.57	.438	.719
23	7.072	33.500	26.227	303.12	.455	.720
24	7.073	33.500	26.228	303.02	.441	.723
25	7.073	33.501	26.228	303.02	.824	.720
26	7.074	33.500	26.227	303.05	1.218	.719
27	7.072	33.500	26.228	303.60	.720	.720
28	7.073	33.499	26.226	303.65	.474	.722
29	7.073	33.499	26.227	303.30	.439	.720
30	7.073	33.500	26.227	303.32	.438	.719
31	7.073	33.500	26.228	302.62	.673	.720
32	7.073	33.500	26.227	304.31	.610	.720
33	7.073	33.500	26.228	305.06	.523	.719
34	7.074	33.500	26.227	303.86	.466	.720
35	7.075	33.500	26.227	302.69	.441	.718
36	7.074	33.500	26.228	302.80	.432	.717
37	7.075	33.501	26.228	303.57	.492	.720
38	7.078	33.500	26.227	303.57	.425	.718
39	7.076	33.500	26.227	303.57	.448	.721
40	7.079	33.507	26.232	304.21	.481	.718
41	7.096	33.515	26.236	303.82	.523	.713
42	7.101	33.528	26.246	303.99	.473	.706
43	7.130	33.548	26.258	303.45	.510	.691

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
44	7.147	33.543	26.252	302.84	.410	.689
45	7.215	33.611	26.295	299.94	.407	.677
46	7.573	33.847	26.431	297.67	.335	.638
47	7.835	33.914	26.446	297.82	.264	.612
48	7.999	33.944	26.445	296.43	.221	.606
49	8.112	33.980	26.456	290.23	.191	.602
50	8.178	34.003	26.464	290.55	.175	.600
52	8.417	34.104	26.508	285.51	.185	.591
54	8.726	34.224	26.554	284.83	.157	.587
56	9.245	34.404	26.612	277.61	.154	.585
58	9.377	34.434	26.614	277.65	.126	.587
60	9.442	34.456	26.621	275.23	.122	.587
62	9.549	34.497	26.635	274.99	.122	.586
64	9.616	34.511	26.635	274.17	.138	.587
66	9.644	34.523	26.640	274.18	.120	.588
68	9.693	34.537	26.643	274.65	.107	.588
70	9.800	34.603	26.676	274.87	.106	.591
72	9.883	34.619	26.675	263.08	.112	.592
74	10.024	34.681	26.699	259.15	.115	.596
76	10.165	34.730	26.713	255.97	.094	.598
78	10.231	34.735	26.706	250.81	.095	.598
80	10.254	34.741	26.707	250.59	.097	.597
82	10.259	34.740	26.705	252.52	.087	.595
84	10.294	34.756	26.711	252.18	.108	.598
86	10.309	34.759	26.711	252.44	.136	.595
88	10.312	34.759	26.711	253.36	.092	.595
90	10.341	34.770	26.714	255.70	.104	.595
92	10.343	34.768	26.712	256.46	.103	.596
94	10.356	34.775	26.715	255.62	.094	.594
96	10.375	34.782	26.717	256.10	.083	.592
98	10.368	34.777	26.715	257.38	.091	.594
100	10.390	34.784	26.716	256.64	.086	.593
102	10.389	34.783	26.715	256.25	.086	.593
104	10.401	34.792	26.720	256.29	.080	.593
106	10.416	34.797	26.722	257.13	.097	.590
108	10.430	34.801	26.723	257.56	.097	.589
110	10.433	34.804	26.724	258.36	.095	.588
112	10.451	34.806	26.723	258.13	.103	.588
114	10.471	34.820	26.730	256.14	.092	.589
116	10.517	34.846	26.742	251.25	.087	.590
118	10.581	34.868	26.748	250.28	.097	.591
120	10.590	34.871	26.749	255.54	.085	.591
122	10.673	34.919	26.772	254.83	.085	.589
124	10.686	34.926	26.775	254.16	.074	.593
126	10.782	34.943	26.771	253.11	.082	.586
128	10.804	34.955	26.776	250.29	.075	.584
130	10.823	34.951	26.770	249.79	.070	.584
132	10.889	34.980	26.781	249.83	.068	.588
134	10.907	34.992	26.787	250.85	.113	.588
136	10.934	34.994	26.783	249.67	.075	.588
138	10.958	35.009	26.791	251.15	.073	.591

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
140	10.957	35.005	26.788	251.20	.071	.591
142	10.978	35.011	26.789	250.56	.083	.591
144	10.987	35.012	26.788	252.08	.075	.592
146	10.996	35.018	26.791	252.89	.067	.592
148	11.004	35.017	26.789	252.84	.069	.593
150	11.010	35.020	26.790	253.00	.070	.590
155	11.013	35.019	26.788	253.49	.080	.593
160	11.015	35.025	26.792	253.99	.066	.596
165	10.957	35.036	26.812	253.90	.071	.609
170	10.835	35.045	26.841	240.03	.067	.639
175	10.673	35.115	26.924	228.09	.057	.630
180	10.502	35.121	26.960	221.19	.051	.645
185	10.269	35.145	27.019	216.21	.049	.674
190	9.851	35.096	27.053	210.28	.040	.699
195	9.618	35.106	27.100	194.78	.036	.713
200	9.213	35.137	27.191	191.53	.032	.802
205	9.115	35.162	27.227	191.19	.032	.807
210	9.046	35.163	27.239	188.32	.035	.853
211	8.947	35.132	27.230	188.22	.035	.876
212	8.900	35.151	27.253	189.73	.030	.862
213	8.885	35.160	27.263	188.76	.034	.850
214	8.883	35.161	27.263	188.65	.034	.847
215	8.891	35.161	27.262	187.18	.035	.858
216	8.888	35.160	27.262	187.97	.037	.857
217	8.887	35.161	27.263	188.54	.035	.850
218	8.885	35.162	27.264	187.92	.030	.843
219	8.871	35.157	27.262	187.75	.034	.834
220	8.877	35.163	27.266	186.96	.033	.850
221	8.819	35.141	27.258	187.72	.027	.758
222	8.785	35.150	27.270	190.37	.032	.719
223	8.758	35.149	27.274	190.24	.030	.761
224	8.730	35.149	27.278	189.76	.029	.775
225	8.716	35.148	27.280	190.04	.032	.783

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
46	24 MAR 89	0209	38 12.64	73 56.40	79	77

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
3	7.025	33.489	26.226	306.22	.391	.750
4	7.024	33.490	26.226	304.52	.403	.750
5	7.024	33.489	26.226	302.01	.407	.748
6	7.023	33.489	26.226	302.26	.406	.751
7	7.023	33.489	26.226	301.91	.502	.748
8	7.023	33.489	26.226	302.22	.424	.748
9	7.023	33.490	26.226	302.24	.424	.746
10	7.023	33.490	26.227	302.28	.437	.746
11	7.023	33.491	26.227	304.63	.407	.745
12	7.024	33.490	26.227	304.81	.469	.747
13	7.024	33.491	26.227	303.33	.458	.745
14	7.024	33.491	26.227	303.90	.418	.743
15	7.024	33.490	26.226	305.13	.430	.745
16	7.024	33.490	26.226	304.50	.452	.748
17	7.024	33.490	26.226	302.73	.428	.746
18	7.024	33.491	26.227	302.84	.432	.747
19	7.024	33.490	26.227	304.12	.462	.745
20	7.024	33.490	26.226	303.29	.465	.748
21	7.024	33.489	26.226	303.45	.460	.746
22	7.024	33.490	26.226	302.47	.463	.747
23	7.024	33.491	26.227	301.73	.483	.747
24	7.024	33.489	26.226	298.24	.472	.746
25	7.024	33.491	26.227	300.27	.485	.749
26	7.024	33.490	26.226	302.26	.467	.746
27	7.027	33.491	26.227	302.31	.482	.745
28	7.032	33.496	26.230	301.59	.475	.745
29	7.033	33.494	26.228	302.16	.467	.746
30	7.034	33.495	26.229	302.14	.485	.745
31	7.049	33.504	26.234	302.62	.494	.741
32	7.044	33.496	26.229	301.83	.750	.739
33	7.041	33.498	26.230	300.26	.500	.746
34	7.064	33.521	26.245	301.37	.493	.737
35	7.081	33.509	26.234	300.92	.461	.736
36	7.063	33.512	26.238	300.78	.510	.738
37	7.129	33.554	26.263	301.45	.477	.714
38	7.161	33.558	26.261	301.26	.458	.707
39	7.190	33.567	26.264	298.25	.578	.696
40	7.209	33.579	26.271	297.54	.516	.693
41	7.228	33.589	26.277	297.60	.433	.681
42	7.242	33.595	26.279	298.18	.388	.680
43	7.250	33.596	26.279	298.29	.338	.677

PRES. DBAR	TEMP. DEG C	SALINITY PSS1978	SIGMA T	DISSOLVED OXYGEN UMOLE/L	FLUOR. VOLTS	BEAM ATT. COEFF. 1/METER
44	7.283	33.615	26.289	297.57	.339	.667
45	7.305	33.621	26.291	297.52	.346	.661
46	7.321	33.627	26.293	295.48	.362	.658
47	7.380	33.681	26.328	293.57	.310	.647
48	7.562	33.761	26.364	293.73	.258	.620
49	7.608	33.758	26.355	294.18	.229	.614
50	7.631	33.765	26.358	291.76	.237	.614
52	7.698	33.806	26.380	290.34	.224	.606
54	7.802	33.853	26.402	288.26	.203	.599
56	7.867	33.876	26.411	286.61	.168	.597
58	8.055	33.978	26.464	282.78	.162	.595
60	8.181	33.988	26.452	282.61	.170	.588
62	8.232	34.014	26.465	280.24	.344	.586
64	8.298	34.044	26.479	279.53	.136	.581
65	8.329	34.042	26.472	280.04	.153	.579
66	8.335	34.041	26.471	281.51	.147	.578
67	8.355	34.055	26.479	282.19	.135	.578
68	8.365	34.058	26.479	282.19	.134	.578
69	8.382	34.061	26.479	282.61	.138	.578
70	8.392	34.065	26.481	282.38	.132	.577
71	8.393	34.062	26.478	280.62	.142	.576
72	8.398	34.065	26.480	279.14	.124	.577
73	8.415	34.070	26.481	279.39	.117	.576
74	8.419	34.073	26.483	280.07	.114	.576
75	8.419	34.072	26.482	281.53	.125	.576
76	8.432	34.078	26.485	276.11	.132	.575
77	8.466	34.089	26.489	264.83	.130	.574
78	8.481	34.093	26.490	265.26	.127	.574

SEEP2-09

NISKIN BOTTLE DATA

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
1	17 MAR 89	1451	37 43.31	74 44.35	43	41

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
1	.62	1.08	3.66	.22	.63
2	.56	.72	1.05	.10	.01
8	.56	.72	1.21	.10	.16
15	.56	.79	1.47	.12	.18
25	.59	.97	2.32	.15	.34
37	.61	1.04	3.62	.22	.55
41	.62	1.08	3.66	.22	.63

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
1	1.99	.54	333.64	------	------
2	1.75	.64	333.64	203.4	30.2
8	2.43	.82	332.03	246.8	35.0
15	2.90	.72	328.84	325.6	75.6
25	1.31	.59	318.05	253.9	57.4
37	1.36	.47	309.52	192.7	29.7
41	1.75	.47	-------	179.5	22.0

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
2	17 MAR 89	1746	38 0.00	75 .03	14	12

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.56	.74	.25	.08	.33
11	.55	.74	.25	.07	.29
12	------	------	------	------	------

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	2.90	.75	339.62	207.9	33.6
11	3.16	.68	339.33	233.4	39.4
12	1.90	.70	-------	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
3	17 MAR 89	1925	37 56.51	74 51.99	29	27

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.73	1.09	.50	.09	.37
11	.49	1.03	.47	.08	.45
21	.50	.97	.58	.09	.55
27	.54	.91	.67	.08	.55

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	1.41	.61	366.00	165.2	29.8
11	1.78	.71	314.00	259.6	54.3
21	2.04	.72	329.00	150.0	30.2
27	2.74	.84	327.12	150.7	27.8

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
4	17 MAR 89	2100	37 52.18	74 44.06	42	40

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.59	.83	1.78	.15	.33
12	.62	.88	2.09	.12	.17
22	.71	1.09	3.24	.18	.60
32	.71	1.03	3.12	.18	.67
40	.72	1.05	3.21	.19	.68

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	1.80	.59	326.89	283.8	42.7
12	2.07	.82	326.02	265.6	47.0
22	1.62	.47	311.62	159.2	25.4
32	1.11	.45	309.34	133.0	21.1
40	1.28	.45	-------	113.1	23.0

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
5	17 MAR 89	2216	37 49.59	74 37.35	51	49

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.63	1.83	4.75	.23	.04
8	.61	1.70	4.46	.23	.14
18	.64	1.70	4.51	.23	.07
28	.62	1.76	4.93	.24	.09
37	.60	1.08	4.17	.26	.59
49	.62	1.12	4.22	.24	.56

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	1.44	.22	308.97	191.4	25.4
8	2.16	.03	323.55	224.1	33.1
18	2.35	.64	323.34	202.0	34.6
28	1.83	.49	316.56	89.2	17.3
37	1.44	.39	306.55	102.5	18.3
49	1.23	.36	307.10	150.5	27.8

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
6	17 MAR 89	2333	37 45.46	74 28.86	60	58

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.76	2.99	5.67	.30	.01
9	.76	3.03	5.61	.30	.01
19	------	------	------	------	------
28	.74	3.04	5.86	.30	.05
38	.76	3.20	6.20	.31	.01
47	.76	3.37	6.49	.32	.08
58	.76	3.42	6.51	.33	.16

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	1.12	.40	317.38	111.5	16.3
9	1.07	.52	-------	147.8	23.0
19	1.10	.63	318.87	162.2	20.6
28	1.20	.56	315.36	132.1	15.8
38	.99	.57	310.43	144.5	20.1
47	.82	.36	306.29	77.2	11.0
58	.81	.38	301.75	101.6	4.4

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
7	18 MAR 89	0045	37 41.37	74 20.55	90	88

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
17	.73	2.22	5.27	.24	.01
27	.76	2.50	5.71	.26	.03
36	.76	3.42	6.87	.31	.01
45	.76	3.56	6.89	.30	.03
55	.79	3.98	7.48	.28	-.02
78	.81	4.49	8.26	.25	.04
83	.79	4.58	8.34	.25	.02

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
17	1.05	.35	307.77	116.1	15.8
27	1.05	.45	302.37	114.5	16.8
36	.86	.33	-------	85.3	11.5
45	.65	.34	-------	75.3	12.3
55	.44	.22	273.03	48.9	8.1
78	------	------	263.51	------	------
83	.26	.17	262.67	57.9	3.4

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
8	18 MAR 89	0212	37 38.91	74 16.33	132	130

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
1	.77	3.11	5.95	.23	.38
17	.74	3.64	6.60	.25	-.01
31	.72	3.91	7.03	.25	.03
40	.71	3.93	7.14	.26	.01
50	.71	4.02	7.22	.26	.30
59	.75	3.97	7.16	.25	.07
82	.74	4.20	7.66	.20	.04
106	.70	4.05	7.19	.24	.03
130	.70	4.65	8.49	.20	.08

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
1	1.15	.38	-------	347.8	43.2
17	1.05	.42	281.47	94.5	17.8
31	.78	.41	-------	93.6	18.3
40	.63	.30	269.58	64.8	7.7
50	.37	.30	-------	64.6	12.0
59	.63	.30	262.76	43.2	10.6
82	------	------	-------	------	------
106	------	------	259.54	------	------
130	.10	.39	246.72	44.4	4.3

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
9	18 MAR 89	0430	37 38.49	74 11.99	526	524

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
3	.68	3.02	5.57	.25	.01
30	.65	3.37	6.16	.25	.05
50	.64	3.87	6.87	.25	.04
76	.66	4.29	8.02	.16	.05
101	.72	4.67	8.87	.11	.09
126	.87	6.08	11.99	.07	.02
151	1.08	7.52	14.79	.06	.04
202	1.37	10.30	19.74	.05	.03
301	1.62	13.50	23.12	.05	.04
402	1.62	14.41	22.65	.06	0.00
498	1.51	13.69	20.99	.06	.06
524	1.52	13.62	20.85	.06	.04

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
3	1.02	.34	295.94	142.2	16.8
30	1.18	.65	286.63	131.5	17.3
50	.65	.34	270.78	82.9	7.7
76	.13	.37	261.23	87.1	13.0
101	.14	.12	240.19	55.9	5.8
126	05	.11	203.55	38.6	.5
151	-- --	------	178.91	------	------
202	------	------	146.94	------	------
301	------	------	148.50	------	------
402	------	------	177.25	------	------
498	------	------	208.27	------	------
524	.02	.01	-------	45.1	7.2

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
10	18 MAR 89	0755	37 37.97	74 9.36	1028	1026

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
3	.68	2.01	4.47	.24	.07
31	.74	3.53	6.30	.30	.04
50	.75	4.32	7.25	.32	.04
101	.72	4.57	7.64	.15	.03
150	.98	7.07	12.75	.07	.04
175	1.21	9.41	16.97	.05	.03
202	1.32	10.55	18.67	.06	.03
301	1.58	13.86	21.85	.06	.03
491	1.35	12.58	17.79	.04	.02
749	1.33	12.60	17.79	.05	.02
1008	1.29	12.47	17.16	.05	.04
1026	1.28	12.55	17.16	.04	.02

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
3	1.02	.34	313.41	121.1	16.3
31	.89	.37	290.27	91.9	11.0
50	.24	.29	272.97	50.1	5.8
101	.17	.11	253.62	114.4	7.7
150	------	------	191.77	------	------
175	------	------	160.08	------	------
202	------	------	151.74	------	------
301	------	------	152.36	------	------
491	------	------	210.82	------	------
749	------	------	245.06	------	------
1008	------	------	258.45	------	------
1026	.01	.04	258.81	64.1	5.3

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
11	18 MAR 89	1025	37 32.25	73 59.99	1434	1432

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.67	2.22	4.17	.26	.01
28	.57	1.42	3.79	.26	.23
77	.59	4.45	6.43	.28	.05
151	.63	4.86	7.60	.18	.05
174	.65	4.94	7.51	.18	.02
250	1.39	11.98	19.46	.16	-.01
300	1.72	16.22	23.53	.16	.01
497	1.52	14.15	21.15	.17	0.00
750	1.28	12.69	17.16	.15	-.01
1253	1.24	12.66	16.59	.15	-.02
1415	1.25	13.01	16.45	.15	.01
1432	1.23	13.01	16.24	.15	.01

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	1.12	.39	317.78	102.7	16.8
28	1.06	.39	311.60	51.9	11.0
77	.38	.20	270.77	84.1	12.0
151	------	------	253.96	------	------
174	------	------	255.26	------	------
250	------	------	145.61	------	------
300	------	------	135.18	------	------
497	------	------	213.65	------	------
750	------	------	250.89	------	------
1253	------	------	270.28	------	------
1415	------	------	271.06	------	------
1432	0.00	.01	271.73	39.6	1.9

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
12	18 MAR 89	1337	37 24.87	73 48.76	2020	----

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
3	.86	3.58	5.57	.32	.14
12	.89	3.40	5.46	.33	.11
23	.85	4.38	6.52	.32	.07
33	.82	4.64	6.87	.31	.05
41	.82	4.84	7.31	.32	.07
50	.82	4.91	7.57	.32	.12
75	.86	4.97	7.70	.33	.15
99	.86	4.89	7.82	.33	.25

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
3	1.12	.47	-------	220.4	25.9
12	1.07	.52	-------	89.7	12.0
23	1.31	.52	-------	134.9	18.7
33	1.02	.51	-------	96.0	11.0
41	.84	.43	-------	106.0	19.2
50	------	------	-------	------	------
75	------	------	-------	------	------
99	.30	.21	-------	40.0	6.3

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
13	18 MAR 89	1924	37 24.82	73 48.93	2040	----

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.80	3.28	4.88	.32	.13
30	.83	4.37	6.97	.30	.27
96	.97	4.51	7.73	.31	.46
148	.97	4.67	7.85	.28	.18
199	1.65	9.97	17.38	.13	.12
251	2.14	13.32	21.28	.12	.11
347	2.24	14.90	21.25	.11	.10
505	2.24	13.58	18.61	.11	.10
749	2.24	12.28	16.72	.12	.10
998	2.14	11.83	15.98	.12	.12
1494	3.01	12.60	15.84	.12	.13

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	1.10	.38	306.65	140.2	15.8
30	1.12	.53	273.72	83.6	10.6
96	.24	.17	253.22	26.7	1.9
148	------	------	255.32	------	------
199	------	------	158.59	------	------
251	------	------	140.06	------	------
347	------	------	218.90	------	------
505	------	------	167.50	------	------
749	------	------	252.50	------	------
998	------	------	269.23	------	------
1494	------	------	276.01	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
14	19 MAR 89	0316	37 41.56	74 19.61	99	97

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
3	.74	2.59	4.41	.27	.08
10	.97	2.59	4.39	.34	.15
36	.98	4.22	6.49	.39	.17
42	.92	4.21	6.09	.37	.19
49	.92	4.18	5.97	.41	.20
76	.88	3.95	5.83	.37	.16
97	.94	4.64	6.99	.29	.14

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
3	1.15	.18	311.78	96.7	17.3
10	1.25	.27	-------	118.4	18.3
36	.63	.37	-------	79.0	9.6
42	.76	.30	279.07	61.6	9.6
49	.35	.47	-------	53.6	10.1
76	------	------	263.75	------	------
97	.16	.51	257.11	37.4	5.8

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
15	19 MAR 89	1300	37 31.97	74 26.67	94	92

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
4	.84	2.47	4.38	.28	.16
10	.82	2.19	4.11	.27	.32
20	.84	2.34	4.35	.28	.36
30	.85	2.36	4.28	.27	.40
49	.89	2.77	5.05	.31	.35
92	.83	4.29	6.89	.23	.22

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
4	1.12	.70	-------	107.5	15.4
10	1.41	.28	-------	99.7	15.9
20	1.20	.52	-------	110.8	16.5
30	1.25	.47	-------	107.3	15.4
49	.99	.23	-------	83.3	20.0
92	.16	.14	-------	56.9	15.1

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
16	19 MAR 89	1711	37 47.72	74 44.42	41	39

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
3	.70	.72	.46	.20	.24
12	.71	.70	.39	.20	.26
21	.71	.69	.48	.21	.28
31	.80	.83	2.74	.35	.62
37	.78	.85	2.86	.36	.57
39	.79	.82	2.86	.36	.58

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
3	1.70	.69	-------	------	------
12	1.93	.59	-------	------	------
21	2.35	.73	-------	205.6	31.1
31	1.88	.47	-------	150.3	20.9
37	2.33	.46	-------	174.8	28.7
39	2.25	.47	-------	112.0	22.9

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
17	19 MAR 89	2124	37 48.04	74 44.62	41	39

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.68	.75	.67	.26	.28
11	.69	.73	.60	.26	.30
20	.70	.72	.69	.27	.32
29	.78	.86	2.94	.41	.66
37	.77	.88	3.07	.42	.61
39	.77	.86	3.06	.42	.62

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	1.91	.58	327.69	190.5	38.9
11	1.86	.73	326.28	160.4	27.2
20	.84	.16	328.21	227.1	37.5
29	1.45	.58	308.10	150.5	25.8
37	1.70	.46	306.94	164.9	25.8
39	2.01	.71	-------	223.7	38.9

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
18	20 MAR 89	0110	37 47.61	74 45.45	40	38

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
4	------	------	------	------	------
12	------	------	------	------	------
21	------	------	------	------	------
31	------	------	------	------	------
36	------	------	------	------	------
38	------	------	------	------	------

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
4	1.80	.79	325.38	199.1	31.6
12	1.44	.79	325.55	198.0	31.1
21	1.67	.72	325.50	176.0	28.3
31	1.39	.34	307.75	149.8	21.9
36	1.75	.51	307.75	149.8	18.5
38	2.12	.67	307.61	144.3	23.9

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
19	20 MAR 89	0431	37 47.76	74 45.45	40	38

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
3	.77	.87	.15	.20	.31
10	.75	1.01	.31	.21	.65
21	.75	1.02	.31	.21	.63
30	.79	1.00	.51	.22	.76
34	.82	1.16	1.83	.30	.73
38	.81	1.15	1.63	.29	.76

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
3	2.09	.73	325.38	249.2	45.3
10	1.86	.77	324.49	228.6	41.9
21	1.62	.70	324.69	170.0	22.4
30	1.83	.63	323.76	175.7	27.8
34	1.39	.61	307.58	141.5	16.1
38	1.57	.76	308.49	183.5	20.5

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
20	20 MAR 89	0901	37 47.62	74 45.48	40	38

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
3	.73	.60	1.14	.21	.32
10	.72	.56	1.18	.21	.14
20	.71	.57	1.36	.22	.15
31	.74	.60	1.39	.23	.25
37	.75	.81	2.48	.30	.94
38	.79	.80	2.51	.29	.78

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
3	1.83	.66	322.23	135.9	27.4
10	1.83	.66	323.80	170.6	25.5
20	1.88	.71	322.35	152.7	29.4
31	2.35	.67	322.57	155.4	28.4
37	1.57	.59	308.17	116.1	25.8
38	1.57	.42	308.10	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
21	20 MAR 89	1306	37 47.73	74 45.48	40	38

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
3	.72	.55	2.27	.21	.30
10	.72	.61	2.42	.19	.20
22	.73	.66	2.46	.19	.22
32	.73	.59	2.36	.21	.40
36	.77	.80	2.94	.25	.78
38	.76	.79	2.93	.25	.75

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
3	2.43	.89	324.36	------	------
10	2.12	.77	323.80	231.7	21.5
22	2.07	.69	325.02	156.3	24.5
32	2.27	.65	323.63	128.5	26.4
36	2.25	.64	314.93	100.9	16.6
38	2.59	.73	312.10	234.4	17.1

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
23	20 MAR 89	1714	37 47.33	74 45.58	40	38

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
1	------	------	------	------	------
3	.67	.75	1.61	.23	.20
11	.69	.73	1.63	.21	.23
21	.70	.75	1.70	.22	.29
30	.70	.87	2.06	.23	.51
37	.73	.94	2.20	.23	.57
38	.72	.93	2.23	.21	.57

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
1	1.33	.39	-------	------	------
3	1.78	.55	332.31	402.4	52.9
11	2.67	.92	329.63	185.9	29.4
21	2.20	.76	325.96	250.3	51.8
30	2.30	.16	319.90	144.8	24.0
37	1.80	.62	318.96	169.1	18.6
38	1.83	.59	317.99	132.5	18.6

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
24	20 MAR 89	2205	37 41.74	74 20.22	95	93

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
4	.69	2.02	5.92	.33	.24
12	.80	1.95	5.97	.34	.23
21	.85	1.97	5.99	.32	.21
30	.77	1.96	5.94	.34	.15
38	.77	1.99	6.04	.33	.10
43	.72	2.05	6.09	.33	.15
75	.72	3.37	7.71	.37	.11
85	.72	4.18	8.72	.34	.12
93	.71	4.29	8.73	.35	.20

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
4	1.83	.49	-------	160.6	21.5
12	1.18	.48	313.92	149.5	21.5
21	1.23	.53	314.23	107.2	14.7
30	1.46	.56	314.25	123.4	16.6
38	1.58	.43	311.71	150.4	21.5
43	1.20	.59	309.95	108.8	18.6
75	------	------	288.84	------	------
85	------	------	274.68	------	------
93	.34	.22	273.28	90.3	8.8

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
25	21 MAR 89	0305	37 41.28	74 20.61	92	90

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
3	.95	2.26	6.17	.29	.19
10	.73	2.32	6.19	.29	.22
21	.77	2.34	6.15	.29	.19
30	.85	2.40	6.14	.29	.22
41	.88	2.33	6.14	.29	.19
50	.87	2.33	6.21	.29	.18
76	.91	3.80	8.15	.29	.17
85	------	------	------	------	------
90	.86	4.11	8.53	.29	.27

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
3	1.18	.45	312.25	102.5	16.0
10	1.25	.54	-------	208.9	32.3
21	1.10	.56	-------	139.1	25.0
30	1.25	.47	-------	126.5	23.5
41	1.18	.48	311.52	123.0	13.7
50	1.25	.54	-------	106.0	18.1
76	------	------	283.32	------	------
85	------	------	-------	------	------
90	.37	.50	277.11	63.4	6.9

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
26	21 MAR 89	1416	36 48.70	74 28.87	1580	----

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
8	.60	2.59	4.14	.28	.09
32	------	2.51	4.41	.29	.17
77	.84	3.41	8.32	.14	.09
148	.84	3.56	8.82	.14	.10
175	.84	3.62	8.89	.14	.10
257	.84	4.33	10.36	.14	.09
307	1.64	11.42	23.11	.13	.11
510	1.64	13.55	23.03	.12	.09
760	1.49	12.24	20.60	.10	.08
1251	1.39	12.15	19.50	.11	.10
1487	1.39	12.43	19.44	.11	.08

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
8	1.83	.66	271.36	120.4	18.9
32	1.91	.78	281.78	130.4	25.2
77	.10	.09	-------	37.3	.5
148	------	------	246.78	------	------
175	------	------	251.17	------	------
257	------	------	237.08	------	------
307	------	------	156.00	------	------
510	------	------	211.31	------	------
760	------	------	251.56	------	------
1251	------	------	273.78	------	------
1487	------	------	272.03	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
27	21 MAR 89	1844	36 52.61	74 34.09	1117	----

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
3	.75	2.25	4.57	.36	.13
29	.78	2.25	4.75	.35	.18
49	.80	2.25	4.73	.36	.16
104	.92	3.88	8.72	.26	.10
152	1.02	4.66	10.76	.16	.10
175	1.37	7.77	17.32	.15	.09
200	1.60	10.00	21.19	.13	.10
302	1.85	13.71	24.29	.11	.09
503	1.75	13.59	22.72	.11	.08
753	1.62	12.28	20.46	.11	.08
1001	1.56	12.37	19.98	.11	.09

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
3	1.31	.52	282.59	103.8	17.7
29	1.05	.45	281.23	111.4	13.1
49	1.25	.47	282.30	119.0	13.6
104	.18	.18	241.28	44.8	10.6
152	------	------	226.76	------	------
175	------	------	-------	------	------
200	------	------	155.85	------	------
302	------	------	172.53	------	------
503	------	------	213.77	------	------
753	------	------	249.79	------	------
1001	------	------	259.70	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
28	21 MAR 89	2126	36 53.14	74 38.42	180	----

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
5	.71	2.47	4.78	.36	.10
11	.69	2.42	4.79	.36	.13
31	.68	2.34	4.67	.37	.19
52	.76	2.79	5.99	.37	.28
74	.89	4.58	10.09	.18	.11
108	.99	5.11	11.23	.18	.13
152	1.01	5.62	12.12	.17	.09
158	1.03	5.75	12.35	.19	.09

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
5	1.41	.55	286.60	80.2	11.8
11	1.31	.52	285.80	79.3	12.8
31	1.23	.36	278.22	87.8	11.3
52	.47	.26	265.73	55.2	6.9
74	.10	.11	236.81	23.2	8.9
108	.07	.10	230.08	37.4	1.5
152	------	------	218.76	------	------
158	------	------	216.77	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
29	21 MAR 89	2330	36 55.69	74 44.88	78	76

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
4	.75	2.45	4.97	.33	.09
11	.77	2.40	4.99	.35	.13
20	.78	2.40	5.10	.35	.12
31	.74	2.50	5.19	.36	.11
42	.74	2.94	5.87	.40	.07
49	.79	3.57	7.12	.37	.07
72	1.01	5.40	11.16	.24	.08
76	1.02	5.42	11.22	.25	.11

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
4	1.28	.61	293.21	106.9	21.6
11	------	------	292.65	101.8	14.3
20	1.20	.66	289.13	112.3	14.3
31	1.07	.46	288.83	83.9	7.9
42	.55	.35	267.50	66.8	5.4
49	------	------	-------	------	------
72	------	------	221.95	------	------
76	.01	.02	224.37	79.5	6.9

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
30	22 MAR 89	0104	36 58.47	74 49.89	58	56

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
4	.80	2.17	4.45	.41	.15
10	.71	2.05	4.46	.41	.35
20	.74	2.04	4.50	.40	.24
30	.70	2.05	4.49	.41	.19
40	.78	2.13	4.51	.42	.12
49	.81	2.83	5.54	.47	.24
56	.84	2.98	5.79	.48	.15

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
4	1.36	.57	298.53	120.4	18.2
10	.99	.33	297.08	113.8	14.8
20	1.31	.52	298.09	123.9	20.1
30	1.18	.55	299.89	109.7	18.2
40	1.10	.56	294.67	107.1	11.2
49	------	------	277.59	------	------
56	.60	.33	274.49	51.7	15.7

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
31	22 MAR 89	0234	37 1.64	74 55.92	47	45

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
3	.73	1.35	2.45	.28	.10
15	.75	1.38	2.55	.30	.16
31	.77	1.69	3.21	.35	.19
40	.86	2.16	4.47	.47	.30
45	.85	2.20	4.53	.47	.31

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
3	1.99	.64	313.81	150.0	25.4
15	2.09	.73	314.48	157.2	24.9
31	1.59	.73	309.17	199.2	26.9
40	1.05	.48	301.77	98.8	10.3
45	.97	.49	301.64	94.9	16.2

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
32	22 MAR 89	0340	37 3.98	75 1.85	40	38

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
3	.69	.74	.89	.21	.16
15	.69	.76	.94	.21	.23
35	.75	.89	1.77	.23	.67

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
3	2.20	.92	319.02	320.0	48.6
15	2.22	1.10	319.76	162.9	32.4
35	1.52	.64	310.93	133.9	21.6

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
33	22 MAR 89	0845	37 6.11	75 7.99	35	33

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
4	.86	.63	.29	.15	.29
16	.77	.64	.45	.15	.13
30	.80	.66	.32	.15	.37
33	.80	.66	.33	.16	.34

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
4	2.61	.87	317.51	184.3	36.0
16	2.22	.77	-------	217.9	39.0
30	2.27	.98	317.34	154.3	31.1
33	2.27	1.01	318.38	139.1	22.5

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
34	22 MAR 89	0954	37 9.05	75 13.08	31	29

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
4	.83	.54	.18	.14	.30
15	.82	.52	.09	.15	.33
27	.84	.52	.09	.15	.32
29	.79	.53	.10	.14	.33

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
4	2.61	.71	315.25	172.9	30.6
15	2.61	.71	319.92	244.5	30.6
27	2.61	1.04	318.61	362.5	31.6
29	2.61	.71	318.37	170.4	33.1

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
35	22 MAR 89	1107	37 12.08	75 19.57	28	26

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
3	.78	.55	.07	.13	.60
15	.73	.57	.09	.13	.44
24	.70	.59	.08	.13	.46
26	.78	.58	.10	.13	.62

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
3	1.52	.77	311.32	157.7	22.7
15	1.54	.72	313.00	193.1	29.1
24	1.49	.73	310.01	144.1	27.2
26	1.83	.71	312.41	129.5	28.1

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
36	22 MAR 89	1335	37 21.18	74 59.75	39	37

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
3	.71	.58	.60	.18	.21
11	.72	.66	.61	.19	.19
20	.69	.65	.54	.19	.17
29	.74	.64	.68	.20	.23
35	.77	.68	.67	.20	.47
37	.74	.62	.61	.19	.16

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
3	------	------	-------	176.5	34.6
11	2.54	.88	-------	168.6	30.1
20	2.40	.91	-------	180.2	36.5
29	2.61	.87	-------	171.3	35.1
35	2.48	.84	-------	177.7	31.6
37	2.35	.64	-------	221.1	41.0

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
37	22 MAR 89	2124	37 32.62	74 27.27	79	77

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
3	.72	2.08	5.75	.28	.11
11	.86	2.02	5.79	.36	.18
22	.90	1.94	5.57	.35	.21
31	.89	1.96	5.74	.38	.18
41	.88	2.16	6.07	.37	.18
52	.93	3.16	7.66	.45	.13
74	.94	4.17	8.65	.37	.17
77	.94	4.04	8.44	.37	.03

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
3	1.05	.78	313.74	101.1	19.8
11	1.12	.50	311.30	90.2	15.8
22	1.06	.54	311.21	83.8	14.3
31	1.15	.58	312.63	95.4	12.9
41	1.07	.42	306.00	87.2	14.3
52	.55	.21	288.83	63.6	11.9
74	------	------	270.20	------	------
77	.31	.18	267.12	49.7	6.0

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
38	23 MAR 89	0317	37 41.50	74 20.28	94	92

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
3	.85	2.50	4.55	.34	.20
15	.86	2.58	4.44	.33	.12
30	.86	2.58	4.44	.34	.11
51	.94	3.46	6.07	.43	.11
75	.96	4.81	7.59	.42	.08
87	.96	4.71	7.55	.42	.05
92	.97	4.66	7.51	.43	.06

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
3	1.12	.70	308.61	143.6	31.1
15	.97	.29	309.11	91.8	14.3
30	1.28	.41	309.49	132.5	23.7
51	.65	.28	289.88	88.3	12.4
75	.60	.30	268.47	167.0	31.6
87	------	------	270.73	------	------
92	.31	.22	268.78	45.8	6.4

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
39	23 MAR 89	0607	37 41.28	74 19.98	95	93

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
2	.85	2.97	4.39	.33	.10
15	.79	2.72	4.52	.31	.10
29	.87	2.71	4.52	.31	.12
50	.83	2.97	5.00	.33	.13
76	.85	5.04	7.41	.40	.04
87	.85	5.17	7.40	.40	.03
93	.85	5.42	7.55	.40	.02

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
2	1.20	.46	310.22	103.8	21.8
15	------	------	309.12	130.9	23.7
29	1.25	.57	308.64	126.3	12.9
50	1.12	.30	303.73	159.9	20.8
76	.34	.19	269.58	76.3	11.4
87	------	------	268.69	------	------
93	.29	.18	264.40	64.7	19.3

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
40	23 MAR 89	1354	38 2.00	73 43.72	1100	----

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
4	.89	2.98	6.74	.33	.20
11	1.02	2.98	6.88	.32	.15
15	.96	3.02	6.76	.34	.17
21	.99	2.99	6.79	.32	.13
28	.90	3.17	7.02	.33	.13
49	.89	4.37	8.95	.43	.13
76	.91	4.73	9.66	.31	.09
101	.90	4.78	10.02	.29	.12

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
4	1.54	.48	-------	90.6	14.3
11	1.39	.44	-------	107.4	18.8
15	1.41	.55	-------	104.9	13.4
21	1.44	.55	-------	131.3	14.8
28	1.46	.26	-------	119.3	18.3
49	.29	.41	-------	43.8	6.0
76	------	------	-------	------	------
101	------	------	-------	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
41	23 MAR 89	1503	38 2.09	73 43.81	1105	1103

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
3	.92	2.84	6.53	.34	.07
51	.88	3.71	7.87	.36	.16
100	.87	4.60	9.61	.36	.10
201	1.07	6.41	13.77	.19	.07
252	------	------	------	------	------
302	------	------	------	------	------
501	1.65	13.72	23.72	.13	.09
752	1.56	12.95	22.10	.13	.16
998	1.52	12.62	21.23	.13	.06
1103	1.48	12.74	20.99	.14	.07

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
3	------	------	300.06	------	------
51	------	------	286.42	------	------
100	------	------	-------	------	------
201	------	------	227.33	------	------
252	------	------	144.80	------	------
302	------	------	150.01	------	------
501	------	------	225.39	------	------
752	------	------	251.42	------	------
998	------	------	264.62	------	------
1103	------	------	263.72	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
42	23 MAR 89	1755	38 6.06	73 49.05	920	918

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
5	.66	1.66	6.41	.33	------
31	.81	1.94	6.70	.33	.20
53	.93	2.45	8.00	.39	.22
103	.78	3.85	9.67	.40	.15
203	.90	5.55	13.52	.25	.16
248	1.13	7.76	17.80	.21	.15
296	1.57	12.64	26.33	.16	.14
500	1.45	13.20	23.62	.15	.14
751	1.35	12.31	22.03	.16	.16
849	1.55	12.14	21.55	.16	.13
918	1.33	12.26	21.26	.14	.22

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
5	1.83	.56	-------	105.4	16.3
31	1.75	.54	313.14	121.6	15.3
53	.97	.38	318.36	83.3	13.4
103	------	------	263.54	------	------
203	------	------	230.05	------	------
248	------	------	198.91	------	------
296	------	------	154.66	------	------
500	------	------	221.92	------	------
751	------	------	249.26	------	------
849	------	------	252.21	------	------
918	.01	.03	255.05	64.7	6.9

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
43	23 MAR 89	2034	38 9.45	73 51.49	492	490

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
5	.83	2.54	6.33	.30	.11
31	.84	2.51	6.62	.25	.12
52	.90	3.19	7.94	.34	.13
99	.93	5.09	10.89	.31	.07
150	.87	5.02	10.58	.25	.04
200	1.01	6.01	12.39	.28	.04
251	1.38	9.80	19.22	.19	.03
300	1.67	13.33	24.52	.14	.06
400	1.67	14.03	24.50	.14	.02
490	1.64	13.92	23.33	.14	.02

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
5	1.91	.61	309.43	119.7	33.6
31	1.59	.53	309.32	128.6	24.7
52	.86	.33	291.76	198.8	9.4
99	------	------	255.61	------	------
150	------	------	251.09	------	------
200	------	------	236.65	------	------
251	------	------	192.13	------	------
300	------	------	172.74	------	------
400	------	------	194.83	------	------
490	.03	.19	220.86	72.7	5.5

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
44	23 MAR 89	2246	38 12.82	73 50.92	335	333

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
6	.85	2.10	5.66	.31	.12
33	.81	2.09	5.78	.31	.10
51	.89	3.51	8.36	.47	.16
102	.94	5.93	11.60	.38	.06
152	.88	5.51	11.03	.31	.06
202	1.11	8.43	16.01	.26	.09
249	1.39	12.04	21.93	.20	.11
302	1.57	14.16	24.07	.15	.10

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
6	1.84	.59	313.00	130.4	24.2
33	1.96	.13	313.69	175.4	24.7
51	.55	.25	283.42	92.5	7.9
102	------	------	250.85	------	------
152	------	------	245.15	------	------
202	------	------	213.59	------	------
249	------	------	179.83	------	------
302	------	------	191.96	------	------

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
45	24 MAR 89	0015	38 14.03	73 50.92	226	224

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
31	.89	1.86	4.75	.30	.12
48	.82	2.23	5.73	.34	.24
73	.88	4.52	8.32	.45	.07
101	.94	5.31	9.11	.43	.06
154	1.04	6.10	10.77	.34	.11
202	1.59	12.41	20.47	.18	.04
224	1.63	13.06	21.27	.17	-.05

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
31	1.44	.55	314.00	120.6	17.3
48	1.44	.39	304.06	116.6	12.4
73	------	------	265.86	------	------
101	------	------	252.16	------	------
154	------	------	237.73	------	------
202	------	------	177.16	------	------
224	.07	.12	176.64	94.9	2.5

STATION	DATE GMT	TIME GMT	LATITUDE NORTH	LONGITUDE WEST	DEPTH METERS	BOTTOM TRIP
46	24 MAR 89	0209	38 12.64	73 56.40	79	77

PRESSURE DBAR	PHOSPHATE UMOLE/L	SILICATE UMOLE/L	NITRATE UMOLE/L	NITRITE UMOLE/L	AMMONIUM UMOLE/L
5	.70	1.92	4.68	.21	.08
31	.88	1.93	4.68	.33	.11
51	.92	2.31	5.42	.37	.16
66	------	------	------	------	------
70	.96	3.80	7.37	.47	.22
72	.98	3.87	7.43	.47	.21
75	1.03	3.91	7.47	.46	.26
78	.98	3.86	7.41	.47	.11

PRESSURE DBAR	CHLOROPHYLL UG/L	PHAEOPHYTIN UG/L	DISS. O2 UMOLE/L	POC UG/L	PON UG/L
5	1.62	.64	304.54	94.7	21.4
31	1.57	.42	279.02	105.3	15.7
51	1.62	.47	313.39	121.2	14.1
66	.52	.27	-------	50.5	5.8
70	.44	.29	279.29	75.4	6.8
72	.58	.35	280.29	67.5	12.1
75	.58	.22	283.10	47.0	3.0
78	.52	.27	313.12	56.6	3.5

END

DATE FILMED

12/17/90